

# Md Abrar Jahin, CSCA<sup>TM</sup>

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Citizenship: Bangladesh

[GitHub](#)

[LinkedIn](#)

[Personal Website](#)

[Google Scholar](#)

[ResearchGate](#)

[ORCID](#)

<b>Education</b>	<b>Khulna University of Engineering &amp; Technology</b> B.Sc. Eng. in Industrial & Production Engineering CGPA: 3.83/4.00 (Top 5% of class) <ul style="list-style-type: none"><li>• Dean's award: 2018-2019, 2019-2020, 2020-2021</li><li>• Thesis title: Supply Chain Backorder Prediction Using Interpretable Hybrid Quantum-Classical Neural Network [<a href="#">Thesis Presentation</a>] [<a href="#">Supervisor: Dr. Md. Saiful Islam</a>]</li><li>• Developed the first-ever LaTeX template for B.Sc. Undergrad Thesis of KUET [<a href="#">Template</a>]</li><li>• <a href="#">Google Knowledge Panel</a> of Md Abrar Jahin</li></ul>	Khulna, Bangladesh Nov 2018 – Mar 2024
<b>Research Interests</b>	† Machine Learning (ML) & Deep Learning (DL) <ul style="list-style-type: none"><li>• <i>Efficient Deep Learning, Explainable AI (XAI), Reinforcement Learning (RL), Kolmogorov-Arnold Network (KAN), Physics-informed Neural Network (PINN)</i></li></ul> † Quantum Computing <ul style="list-style-type: none"><li>• <i>Quantum Machine Learning (QML)</i></li></ul> † Uncertainty Quantification <ul style="list-style-type: none"><li>• <i>Conformal Prediction</i></li></ul> † Comparative Genomics	
<b>Research Experiences</b>	<b>❖ Visiting Researcher (VR)</b> <i>Physics and Biology Unit, Okinawa Institute of Science and Technology Graduate University (OIST), Japan</i> Supervisor: <a href="#">Prof. Jonathan Miller</a> [BS (Yale); PhD Biology (Cambridge); PhD Physics (Caltech)] Research project: Evolution of Strongly Conserved Sequence [ <a href="#">Code Repository</a> ] <ul style="list-style-type: none"><li>■ [<a href="#">FY2023 Annual Report</a>] [<a href="#">OIST Affiliation</a>]</li></ul>	Mar 2024 – Present
	<b>❖ Lead Researcher</b> <i>Advanced Machine Intelligence Research Lab (AMIRL), American International University-Bangladesh (AIUB)</i> Roles: Research Assistant (Mar 2023 - Dec 2023), Researcher (Dec 2023 - Feb 2024), Lead Researcher (May 2024 - Present) Research Affiliations: <ul style="list-style-type: none"><li>◆ Department of Natural Language Processing and Computational Linguistics Supervisor: <a href="#">Dr. M. F. Mridha</a> (Associate Professor, Dept. of CS, AIUB)</li><li>◆ Collaborators: <a href="#">Prof. R. Simon Sherratt</a> (IEEE Fellow), <a href="#">Prof. Nilanjan Dey</a>, <a href="#">Prof. Jungpil Shin</a>, <a href="#">Prof. Yuichi Okuyama</a>, <a href="#">Prof. Zeyar Aung</a>, <a href="#">Prof. Yutaka Watanobe</a>, <a href="#">Prof. Md. Rashedul Islam</a><ul style="list-style-type: none"><li>■ Published <b>6 WoS Q1</b> journal articles, and 12 are under review in Q1 journals (concentration: DL, QML, GNN, XAI, conformal prediction, human-in-the-loop, NLP, and operations research).</li></ul></li></ul>	Mar 2023 – Present
	<b>❖ Visiting Research Student (VRS)</b> <i>Physics and Biology Unit, OIST, Japan</i> Supervisor: <a href="#">Prof. Jonathan Miller</a> [BS (Yale); PhD Biology (Cambridge); PhD Physics (Caltech)] Research project: Evolution of Strongly Conserved Sequence [ <a href="#">Certificate</a> ] Collaborators: <a href="#">Dr. Lucia Žifčáková</a> , <a href="#">Dr. Priscila Do Nascimento Biller</a> , <a href="#">Dr. Zdenek Lajbner</a> , and <a href="#">Dr. Reuven Pnini</a> <ul style="list-style-type: none"><li>■ Critically analyzed and visually represented all potential combinations of inter-gap segments (IGS), ancestral repeats (ARs), and contiguous mismatched ARs in human/mouse and human/gorilla genome alignments, focusing on both DNAs and repetitive sequences.</li><li>■ Successfully replicated the findings of the neutral indel model proposed by <a href="#">Lunter, Pointing, and Hein (2006)</a>.</li></ul>	Feb 2023 – Feb 2024
	<b>❖ Research Lead</b> <i>Research Camp 02, Scholarship School BD, Bangladesh</i> Supervisor: <a href="#">Dr. Mohammad Arafat Hussain</a> (Post-doctoral Research Fellow at Image, Informatics & Intelligence Research Lab, Harvard Medical School; PhD in Biomedical Eng., UBC Canada; MSc in Biomedical Eng., UBC)	May 2022 – Mar 2023

- Led the research team of 17 fellow researchers as a co-first author on a project titled “[Ultrasound-Based AI for COVID-19 Detection: A Comprehensive Review of Public and Private Lung Ultrasound Datasets and Studies](#)”.
- Contributed to writing the original manuscript, software implementation, and data curation and served as a corresponding author for the entire communication with the journal.

#### ❖ Research Intern (RI)

Oct 2021 – Mar 2022

Physics and Biology Unit, OIST, Japan

Supervisor: [Prof. Jonathan Miller](#) [BS (Yale); PhD Biology (Cambridge); PhD Physics (Caltech)]

- Awarded a full-funded scholarship with a daily allowance of JPY 2400 per working day (taxable) [[Offer Letter](#)] [[RI Agreement](#)] [[Internship Certificate](#)] (acceptance rate: 14%)
- Tracked erroneous out-of-bound PCS coordinates generated by [Nash and Lenhard \(2018\)](#), utilizing R and Bedtool, and resolved complexity issues using Python 3.10.
- Demonstrated shell scripting and parallel computing proficiency on the HPC Deigo cluster.
- Conducted research on perfectly conserved sequence (PCS) length distributions of UCSC 44 pairwise genome sequences.
- Analyzed quantile kurtosis of PCS lengths proposed by [Nash and Lenhard \(2018\)](#) and identified a ‘knee’ in the PCS distributions of the heavy-tailed region.
- Optimized Nash and Lenhard’s 3 R scripts for PCS generation, quantile kurtosis analysis, and genomic regulatory blocks (GRBs), reducing time and memory complexity. Successfully reproduced PCS coordinates following UCSC format and fixed genome coordinate-related errors in R’s Bioconductor package.

#### ❖ Research Intern

May 2021

UiT - The Arctic University of Norway

Supervisors: [Prof. Aleksander Pedersen](#), [Prof. Rune Dalmo](#), [Ghada Bouzidi](#)

- Conducted comprehensive data and statistical analysis on the Narvik road dataset as part of the DIT4BEARs Smart Road project. [[Internship Report](#)] [[Project Source Code](#)] [[Certificate](#)]
- Designed, implemented, and evaluated ML models that successfully identified six road states, addressing the challenges of winter weather conditions in the Barren Euro-Arctic region.
- Proposed a novel safety metric and utilized Ridge, Lasso, Elastic Net, Linear Regression, and XGBRegressor to forecast its values.

#### Publications

I have 37 citations according to Google Scholar as of January 1, 2025 (h-index = 3, i10-index = 1)

\* Denotes co-first authorship.

#### Journal Articles

- [J-1] [Jahin, M. A.](#), Shovon, M. S. H., Islam, M. S., Shin, J., Mridha, M. F., & Okuyama, Y. (2023). QAmplifyNet: Pushing the boundaries of supply chain backorder prediction using interpretable hybrid quantum-classical neural network. *Scientific Reports*, 13(1), 18246. [[Code](#)]
- [J-2] [Jahin, M. A.](#), & [Talapatra, S.](#) (2024). A Natural Language Processing-Based Classification and Mode-Based Ranking of Musculoskeletal Disorder Risk Factors. *Decision Analytics Journal*, 11, 100464. [[Code](#)]
- [J-3] [Jahin, M. A.](#), Shovon, M. S. H., Shin, J., Ridoy, I. A., & Mridha, M. F. (2024). Big Data - Supply Chain Management Framework for Forecasting: Data Preprocessing and Machine Learning Techniques. *Archives of Computational Methods in Engineering*, 31(6), 3619–3645. [[Code](#)]
- [J-4] Ahmad, K. \*, Islam, M. S., [Jahin, M. A.](#) \*, & Mridha, M. F. (2024). Analysis of Internet of things implementation barriers in the cold supply chain: An integrated ISM-MICMAC and DEMATEL approach. *PLoS ONE*, 19(7), e0304118. [[Code](#)]
- [J-5] Saha, A. K. \*, [Jahin, M. A.](#) \*, [Rafiqzaman, M.](#), & Mridha, M. F. (2024). Ergonomic Design of Computer Laboratory Furniture: Mismatch Analysis Utilizing Anthropometric Data of University Students. *Heliyon*, 10(14). [[Code](#)]
- [J-6] Shahriar, H. \*, Islam, M. S., [Jahin, M. A.](#) \*, Ridoy, I.A., Prottoy, R.R., Abid, A., & Mridha, M. F. (2024). Exploring Internet of Things Adoption Challenges in Manufacturing Firms: A Delphi Fuzzy Analytical Hierarchy Process Approach. *PLoS ONE*, 19(11), e0311643. [[Code](#)]
- [J-7] [Jahin, M. A.](#), Shovon, M. S. H., Mridha, M. F., Islam, M. R., & Watanobe, Y. (2024). A hybrid transformer and attention based recurrent neural network for robust and interpretable sentiment analysis of tweets. *Scientific Reports*, 14(1), 24882. [[Code](#)]

#### Under-Review Journal Articles

- [U-1] [Jahin, M. A.](#), Naife, S. A., Saha, A. K., & Mridha, M. F. (2024). AI in Supply Chain Risk Assessment: A Systematic Literature Review and Bibliometric Analysis. Under review at *Supply Chain Analytics*. [[Code](#)]

- [U-2] Morshed, A., Shihab, A. A., **Jahin, M. A.**<sup>\*</sup>, Nahian, M. J. A., Sarker, M. M. H., Wadud, M. S.I.<sup>\*</sup>, Uddin, M. I., Siraji, M. I., Anjum, N., Shristy, S. R., Rahman, T., Khatun, M., Dewan, M. R., Hossain, M., Sultana, R., Chakma, R., Emon, S. B., Islam, T., & **Hussain, M. A.**<sup>\*</sup> (2024). Ultrasound-Based AI for COVID-19 Detection: A Comprehensive Review of Public and Private Lung Ultrasound Datasets and Studies. Under review at *Multimedia Tools and Applications*.
- [U-3] **Jahin, M. A.**, Naife, S. A., Lima, F. T. J., Mridha, M. F., & Shin, J. (2024). Analyzing Male Domestic Violence through Exploratory Data Analysis and Explainable Machine Learning Insights. Under review at *Scientific Reports*. [Code]
- [U-4] Rahman, M. M.<sup>\*</sup>, **Jahin, M. A.**<sup>\*</sup>, Islam, M. S., & Mridha, M. F. (2024). Optimizing Container Loading and Unloading through Dual-Cycling and Dockyard Rehandle Reduction Using a Hybrid Genetic Algorithm. Under review at *European Journal of Operational Research*. [Code]
- [U-5] **Jahin, M. A.**<sup>\*</sup>, Shahriar, A.<sup>\*</sup>, & Amin, M. A. (2024). MCDNF: Supply Chain Demand Forecasting via an Explainable Multi-Channel Data Fusion Network Model. Under review at *Evolutionary Intelligence*. [Code]
- [U-6] **Jahin, M. A.**, Mridha, M. F., Aung, Z., Dey, N., & **Sherratt, R. S.** (2024). TriQXNet: Forecasting Dst Index from Solar Wind Data Using an Interpretable Parallel Classical-Quantum Framework with Uncertainty Quantification. Under review at *npj Artificial Intelligence*. [Code]
- [U-7] **Jahin, M. A.**, Masud, M. A., Mridha, M. F., Aung, Z., & Dey, N. (2024). KACQ-DCNN: Uncertainty-Aware Interpretable Kolmogorov-Arnold Classical-Quantum Dual-Channel Neural Network for Heart Disease Detection. Under review at *IEEE Transactions on Quantum Engineering*. [Code]
- [U-8] Uddin, M. K., Islam, M. S., **Jahin, M. A.**, Seam, M. S.I., & Mridha, M. F. (2024). Solving Generalized Grouping Problems in Cellular Manufacturing Systems Using a Network Flow Model. Under review at *OPSEARCH*.
- [U-9] Uddin, M. K., Islam, M. S., **Jahin, M. A.**, Irfan, M. T. H., Seam, M. S. I., & Mridha, M. F. (2024). Designing Cellular Manufacturing System in Presence of Alternative Process Plans. Under review at *OPSEARCH*.
- [U-10] Soudeep, S.<sup>\*</sup>, Mridha, M. F., **Jahin, M. A.**<sup>\*</sup>, & Dey, N. (2024). DGNN-YOLO: Interpretable Dynamic Graph Neural Networks with YOLO11 for Small Object Detection and Tracking in Traffic Surveillance. Under review at *Knowledge-Based Systems*.
- [U-11] Islam, M. A., Mridha, M. F., **Jahin, M. A.**, & Dey, N. (2024). A Unified Framework for Evaluating the Effectiveness and Enhancing the Transparency of Explainable AI Methods in Real-world Applications. Under review at *Information Fusion*.
- [U-12] **Jahin, M. A.**, Masud, M. A., Mridha, M. F., & Dey, N. (2024). Quantum Rationale-Aware Graph Contrastive Learning for Jet Discrimination. Under review at *IEEE Transactions on Neural Networks and Learning Systems*. [Code]
- [U-13] **Jahin, M. A.**, Masud, M. A., Suva, M. W., Mridha, M. F., & Dey, N. (2024). Lorentz-Equivariant Quantum Graph Neural Network for High-Energy Physics. Under review at *IEEE Transactions on Artificial Intelligence*. [Code]
- [U-14] **Jahin, M. A.**, Mridha, M. F., & Dey, N. (2024). Human-in-the-Loop Feature Selection Using Interpretable Kolmogorov-Arnold Network-based Double Deep Q-Network. Under review at *IEEE Transactions on Systems, Man, and Cybernetics*. [Code]

## Conferences

- [C-1] Žifčáková, L., & **Jahin, M. A.** (2023, July 23-27). *Perfectly conserved sequences (PCS) between human and mouse are significantly enriched for small-protein coding sequence* [Poster presentation]. Society for Molecular Biology and Evolution (SMBE), Ferrara, Emilia-Romagna, Italy. [Poster]
- [C-2] Žifčáková, L., **Jahin, M. A.**, & Miller, J. (2022, December 13-15). *Perfectly conserved sequences (PCS) between human and mouse are significantly enriched for exonic small proteins* [Poster presentation]. Bioinformatics and Computational Biology Conference (BBCC), Virtual. [Poster]

## Research Internship Report

- [R-1] **Jahin, M. A.**, & Kruttsylo, A. (2021). DIT4BEARs Smart Roads Internship (arXiv:2107.06755). arXiv.

## Grant/Funding

### Competitive Research Funding – AI

- |  |                |
|--|----------------|
| [1] University of Aizu (Japan) (×2) for [J-1] & [U-3] – <i>Research Sponsor</i> : Prof. Jungpil Shin | 2023 – 2024    |
| [2] Khalifa University (UAE) (×2) for [U-6] & [U-7] – <i>Research Sponsor</i> : Prof. Zeyar Aung     | 2024 – Present |
| [3] OIST (Japan) (×1) for [U-5] – <i>Role</i> : Visiting Researcher                                  | 2024 – Present |
| [4] University of Aizu (Japan) (×1) for [J-7] – <i>Research Sponsor</i> : Prof. Yutaka Watanobe      | 2024           |

## Honors and Scholarships

- |  |      |
|--|------|
| <b>Student Researcher of the Year Award 2024 – KUET Research Society</b>   | 2024 |
| Published the highest number of high-impact research articles (Oct 2023 – Nov 2024) in KUET [Award]  |      |
| <b>MIT Solve – 2024 Global Health Equity Challenge</b>   | 2024 |
| Founded SpecX, an XAI-powered web app, for sentiment-driven disease profiling & specialist allocation [Solution]   |      |
| <b>Champion – CS50x Puzzle Day – Harvard University – Meta</b>   | 2024 |
| Led a 5-person international team by fostering diversity & inclusion (Bangladesh, USA, Morocco, and Pakistan) and solved advanced 9/9 puzzles (including Metapuzzle) [Certificate] |      |

	<b>Dean's Award (x3) – KUET</b>	2023
	Received 3 Dean's awards in recognition of achieving annual GPAs $\geq 3.75$ out of 4.00 in three consecutive years of undergraduate classes [ <a href="#">Certificate</a> ]	
	<b>NASA Space Apps Challenge – Global Nominee</b>	2023
	Led a 5-person team and forecast geomagnetic storms using hybrid deep neural networks from satellite data – [ <a href="#">Project</a> ] [ <a href="#">30 seconds of glory video</a> ]	
	<b>Finalist – HONDA Y-E-S (Young Engineer and Scientist's) Award 2022</b>	2023
	Awarded for being among the top 15 Bangladeshi young engineering undergrad student scientists [ <a href="#">Award &amp; certificate</a> ]	
	<b>Junior Research Fellowship – Bangladesh Space Research and Remote Sensing Organization</b>	2022
	Nominated as the junior-most research fellow by SPARRSO among the other excellent 55 undergraduate researchers for the project titled "Disaster Damage Mitigation by Multispectral Remote Sensing Satellite Image Data Analysis: A Deep Learning Approach" [ <a href="#">Project nomination</a> ] [ <a href="#">Presentation video</a> ]	
	<b>Qiskit Gold Level Translator – English to Bengali</b>	2021
	Translated 22101 and proofread 25375 words of IBM Qiskit's first-ever textbook, collaborating with West Bengal and Bangladeshi Qiskit translator team of 36 members [ <a href="#">Certificate</a> ]	
	<b>Top 6 among 385 teams – Entrepren Season-2: Crafting Visions</b>	2021
	Developed a feasible and sustainable business canvas model for our Git and Jenkins integrated freelancing startup [ <a href="#">Case solution</a> ] [ <a href="#">Finalist</a> ]	
	<b>Top 500 – Google Android App Developer Challenge</b>	2021
	Engineered a countdown timer app on <i>Android Studio</i> with <i>Jetpack Compose Beta</i> using Kotlin language [ <a href="#">Source Code</a> ] [ <a href="#">Google swags</a> ]	
	<b>Global Champion – Smart Roads Hackathon</b>	2021
	Executed a 2-person team and devised an ML model to forecast winter road friction and was offered a 1-month research internship at <i>UiT - The Arctic University of Norway</i> [ <a href="#">Project Page</a> ]	
	<b>Winner – ISCEA Ptak Prize Global SCM Case Competition</b>	2020
	Led a 4-person team and achieved 70% scholarship for completing the course for the professional certification titled <i>Certified Supply Chain Analyst (CSCA)</i> [ <a href="#">Case solution</a> ] [ <a href="#">Certificate</a> ]	
	<b>Champion – CS50x Puzzle Day (Fall) – Harvard University</b>	2020
	Spearheaded a 4-person international team (Bangladesh, UK, Pakistan, and Mexico) and solved advanced 8/8 puzzles [ <a href="#">Certificate</a> ]	
	<b>Gold Honor – Ranked top 3% – IAAC</b>	2020
	<i>International Astronomy &amp; Astrophysics Competition</i> [ <a href="#">Solution</a> ][ <a href="#">Final round certificate</a> ]	
	<b>Champion – CS50x Puzzle Day (Spring) – Harvard University</b>	2020
	Led a 3-person international team by fostering diversity & inclusion (Bangladesh, Brazil, and India) and solved advanced 8/8 puzzles [ <a href="#">Certificate</a> ]	
	<b>International Asteroid Search Collaboration – NASA</b>	2020
	Administered a 4-person team and discovered 2 main belt asteroids by analyzing Pan-STARRS images using <i>Astrometrica</i> software [ <a href="#">Certificate</a> ]	
	<b>Gold Honor – Ranked top 5% – IYMC</b>	2019
	<i>International Youth Math Challenge</i> [ <a href="#">Solution</a> ][ <a href="#">Final round certificate</a> ]	
	<b>Government Board Merit-based Scholarship (x4)</b>	2010 – 2018
	<a href="#">PSC</a> (2010; 17th in Rajshahi Board; awarded for 2 years), <a href="#">JSC</a> (2013; awarded for 2 years), <a href="#">SSC</a> (2016; awarded for 2 years), <a href="#">HSC</a> (2018; awarded throughout 4-year B.Sc.) Govt. Board Exams	
<b>Teaching Experience</b>	<b>Intro to Programming with Python</b> <i>Mini-Course Teacher, OIST, Japan</i>	Jan 2022
	<ul style="list-style-type: none"> <li>◇ Topics covered: Intro, Anaconda, variables, lists, strings, control structures [<a href="#">Course materials &amp; details</a>]</li> <li>◇ Fellow Teachers: Dr. Nicholas Wardhana and Dr. Jeremie Gillet</li> </ul>	
<b>Tutorials</b>	<b>Operations Research</b>	Jan 2023
	<ul style="list-style-type: none"> <li>- Developed and presented first-ever comprehensive Bengali online tutorials on Operations Research topics, facilitating 3rd-year IPE students.</li> <li>- Topics covered: Simplex Method, Two-Phase, Big M, Graphical Sensitivity Analysis, TORA. [<a href="#">YouTube Playlist</a>]</li> <li>- Reference book: "Operations Research – An Introduction" by Professor Hamdy A. Taha.</li> </ul>	
<b>Leadership &amp; Advisory Roles</b>	<b>KUET Research Society</b> <i>Co-founder &amp; President</i>	Oct 2023 – May 2024
	<ul style="list-style-type: none"> <li>• Served as an Executive Committee Member and President of the Industrial Engineering and Management Unit</li> <li>• Supervising (as an alumnus) 6 groups of research students concentrating on ML-DL and computational fuzzy logic, fostering cross-departmental research collaboration</li> <li>• Teaching (as an alumnus) scientific research methodology, research ethics, and journal article formatting meeting publication criteria and acquiring funding for publications</li> </ul>	

**Professional Service**

**Peer Reviewer**

Jul 2023 – Present

Reviewed 16 journal articles verified by Web of Science as of January 1, 2025. [WoS ResearcherID]

- IEEE Access (5)
- Expert Systems with Applications (Elsevier) (1)
- Computers & Industrial Engineering (Elsevier) (1)
- Multimedia Tools and Applications (Springer Nature) (2)
- Engineering Applications of Artificial Intelligence (Elsevier) (2)
- The Journal of Supercomputing (Springer Nature) (1)
- Cluster Computing (Springer Nature) (1)
- Scientific Reports (Nature Portfolio) (1)
- Journal of Contemporary African Studies (Taylor & Francis) (1)
- Journal of Multidisciplinary Healthcare (Taylor & Francis) (1)
- 7th European Conference on Industrial Engineering and Operations Management (Augsburg, Germany, July 2024) (5)

**Skills**

**Programming**

*Advanced and Proficient in:* Python, C/C++, R, SQL, SAS, Data Structure and Algorithm, Object Oriented Programming  
*Familiar with:* Kotlin

**Machine Learning:** Classical Deep Learning, Quantum Machine Learning (Qiskit, PennyLane, TorchQuantum), XAI, NLP, DASK: Parallel Computing, Tensorflow, Keras, PyTorch, IBM Watson

**Data Analysis and Optimization:** Microsoft Excel, IBM SPSS, Minitab, TORA, Gurobi, Beautiful Soup, Biopython, Bioconductor, NetworkX, OpenCV

**High-Performance Scientific Computing:** Deigo & Saion Cluster (OIST)

**Operating System:** Linux, Unix, Windows

**Version Control:** Git Bash, Github, GitLab

**Product Design:** AutoCAD 2021, SolidWorks 2022, Unity 2D

**Referencing Software:** Zotero, Mendeley

**Reviewing & Bibliometric Analysis:** Publish or Perish 8.0, Gephi, VOSviewer

**Writing tools:** L<sup>A</sup>T<sub>E</sub>X, Microsoft Word

**Languages:** Bengali (Native), Hindi, English (IELTS Overall Score: 7.0, R: 7.5, W: 7.0, L: 6.5, S: 6.5)

**Certifications**

MITx: CTL.SC4x: [Supply Chain Technology and Systems](#) (Grade: 75%)

MITx: 6.431x: [Probability - The Science of Uncertainty and Data](#) (Grade: 91%)

MITx: CTL.SC0x: [Supply Chain Analytics](#) (Grade: 83%)

MITx: 2.961.2x: [Management in Engineering: Strategy and Leadership](#) (Grade: 77%)

HarvardX: PH125.1x: [Data Science: R Basics](#) (Grade: 83%)

Delftx: [UnixTx: Unix Tools: Data, Software and Production Engineering](#)

TAUx, IsraelX: [Unlocking Information Security: Part 1](#)

ISCEA: [Certified Supply Chain Analyst](#) (Grade: 88%)

Google: [IT Technical Support Fundamentals](#)

Google: [Crash Course on Python](#)

Google: [The Bits and Bytes of Computer Networking](#)

UCSanDiegoX: DSE200x: [Python for Data Science](#) (Grade: 89%)

Georgia Tech: [Speak English Professionally: In Person, Online & On the Phone](#)

IBM: [AI Chatbots without Programming](#)

IBM: PY0101EN: [Python 101 for Data Science](#)

Microsoft: [Introduction to Artificial Intelligence \(AI\)](#)