



ARMAN MAHJOOR

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Education

George Mason University

Expected May 2026

Bachelor of Science in Computer Science · GPA: 3.38/4.0 · Dean's List fall 2022, spring 2023

Fairfax, VA

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Linear Algebra, Discrete Mathematics, Probability and Statistics, Calculus III

Skills

Proficient: Java, Python, JavaScript, Unix, Git/GitHub, Vim, Jupyter Notebook, Microsoft Azure

Experienced: C, HTML/CSS, scikit-learn, React Native, Node.js, Spring Boot, LaTeX, Taipy, JUnit, WordPress

Certifications: Microsoft Office Specialist – Word Assoc., Excel Assoc., Access Expert, Outlook Assoc., PowerPoint Assoc.

Work Experience

OSCAR Undergraduate Student Research Program

Hybrid

Independent Research

May – August 2024

- Selected to undertake an independent research project to create an AI model to identify common mathematical errors.

George Mason University Computer Science Department

Fairfax, VA

Teaching Assistant - Intro to Programming (CS 108, 109, 112)

January 2023 – May 2024

- Designed & developed 13 Python assignments for CS 109, impacting over 100 students per semester since Spring 2023.
- Created 123 minutes of YouTube content on basic programming concepts. (youtube.com/@Mathjoor)
- Assisted in weekly 50-minute labs with up to 45 students, answering student questions & ensuring understanding.

Mathematics Education Specialist

Prince William County

Center Assistant at Kumon (3.25 yrs), Lead Instructor at Mathnasium (1.25 yrs), Self-Employed

August 2018 – Present

- Assisted in scanning and grading roughly 24,000 student folders with 99.9% accuracy over 3 years at Kumon.
- Managed 60+ student learning plans at Mathnasium, updating math content and student data regularly.
- Mentored & trained 14 instructors in teaching methodologies while working under Mathnasium and Kumon.
- Developed a comprehensive instructor handbook for use at the Bristow Mathnasium center.

Leadership

Tech for Good

Fairfax, VA

Founder and President

July 2023 – Present

- Founded and expanded a student-lead organization *Tech for Good* from 0 to 100+ members by spearheading projects and events realizing technology's potential for societal impact, cultivating a distinctive culture of innovation at GMU.
- Developed and presented workshops on ML and deep learning, hackathons, and Git/Github. (tinyurl.com/t4gvid)
- Oversaw development of 4 major tech projects, an exploratory group, and a hardware refurbishment initiative.

George Mason University Student Government

Fairfax, VA

Undersecretary for Information Technology, Website Management, & Student Senator

September 2022 – Present

- Created and updated 32 pages for the Student Government (SG) website, including initiating the SG Blog, significantly boosting digital engagement with 42,000 website impressions between September and November 2023. (sg.gmu.edu)
- Selected from 40,000 students as the student representative on various key ITS committees, influencing decisions on finance, human resources, student information systems, Canvas LMS integration, and campus internet services.
- Led a group of students at Mason Lobbies, facilitating meetings with Delegate Sam Rasoul and Senator Mark Sickles.

Projects

StrucSure | Microsoft Azure, React, JavaScript, Node.js, Next.js, Vercel

University of Maryland, April 2024

- Trained a prediction model with Azure Custom Vision as part of a full-stack web-app to identify damaged and undamaged points of a bridge with 78% recall and 57.6% mAP rates, intended to assist with bridge recovery.
- Achieved 3rd Place for the Best use of AI/ML Innovation for the Francis Scott Key Bridge Recovery Efforts.

Hospital's Own Prediction Engine | Python, React, Jupyter Notebook

Cornell University, March 2024

- Developed a web-app aimed at optimizing antibiotic prescriptions for patients, complemented by a business model.
- Engineered a machine learning based decision-making algorithm for medical prescriptions using the scikit-learn library along with Jupyter Notebook to analyze patient data and suggest the most effective antibiotics.
- Selected as 1 of 10 finalists out of 200+ participants at the 2024 Cornell Health Hackathon.

Recip.io | Python, Taipy, HTML

Georgetown University, January 2024

- Designed a full stack app with Python and Taipy allowing a user to detail ingredients they'd like to use to generate a curated recommendation of recipes for them, with the objective of preventing food waste.
- Awarded for the Best Use of Taipy at Georgetown University's 10th annual hackathon, HoyaHax.