

Rita Aziz

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Education

George Mason University, *Computer Science, B.S.*

- Dean's List (Fall 2022, Fall 2023, Spring 2024, Fall 2024, Spring 2025)
- Mason Distinction Scholarship Recipient
- GPA: 3.70/4.00

May 2026
Fairfax, VA

Relevant Coursework: Object-oriented Programming, Data Structures, Computer Systems & Programming, Software Engineering, Analysis of Algorithms, AI Fundamentals, Operating Systems, Databases, Mobile Apps

Professional Experience

AI & Cloud Development Support, *Platinum Technologies*

- Supported the design, development, and deployment of AI and automation solutions within Microsoft Azure and Copilot Studio and assisted in training, testing, and debugging AI models to improve accuracy

Oct 2025 – Present
Falls Church, VA

Summer Games Software Developer Intern, *Booz Allen Hamilton*

- Led backend development in Python, integrating AWS RDS, EC2, and Amazon Bedrock, resulting in scalable and AI-enhanced application functionality
- Transformed business problems into technical solutions by creating an AI automation tool that reduced 80 hours of manual employee labor to just 10 minutes, significantly improving team productivity and efficiency
- Integrated Ollama and Bedrock (Claude Sonnet) using prompt engineering to automate tasks, cut turnaround time, and speed client insights
- Improved backend reliability by conducting thorough testing, ensuring seamless functionality and cloud deployment

Jun 2025 – Aug 2025
McLean, VA

Full-Stack Developer Intern, *Platinum Technologies*

- Designed and developed AI software for mission-critical client use cases, integrating models, data pipelines, and APIs
- Followed the SDLC from requirements gathering through deployment, performing coding, testing, and iterative improvements to ensure reliable, maintainable applications
- Applied DevOps principles for project management and automation, using tools like GitHub and Azure DevOps to track progress, manage versions, and coordinate deployments
- Communicated project concepts and functionality to non-technical senior leadership through live demos and visualizations

Dec 2024 – May 2025
Falls Church, VA

Software Engineering Fellow, *Headstarter AI*

- Built and deployed 5+ AI-powered web applications using Next.js, OpenAI API, and AWS
- Collaborated in 2-week Agile sprints with engineers and mentors, integrating feedback and delivering production-ready features
- Improved LLM response accuracy by 27% through prompt engineering
- Utilized CI/CD pipelines, unit testing, and version control (Git) to ensure code quality and maintainability

Jul 2024 – Sep 2024
Remote

Projects

Computer Vision Counterfeit Detection System, *Platinum Technologies*

- Built an AI-powered image classification tool using **Azure Computer Vision** to help detect counterfeit products from entering the U.S.
- Integrated the model with **Power Apps** and **Power Automate** to streamline product identification workflows
- Connected classification results to USPTO Trademark Search API for dynamic metadata lookup and automated responses

Jan 2025 – Mar 2025

Credit Reporting System (CRS), *George Mason University*

- Built a Credit Reporting System (CRS) in **Java** to process and validate bank data, generating accurate credit reports for financial assessment
- Implemented custom data structures such as **Linked Lists**, **Stacks**, **Queues**, and **Hash Sets** to manage, search, and organize credit data efficiently
- Ensured data accuracy and integrity through validation rules and optimized retrieval logic

Oct 2024

AI Chat Bot, *Headstarter AI*

- Created an AI-powered customer support chatbot using **OpenAI's** language model to assist users with common queries and issues
- Developed the front end with **JavaScript** and **Next.js** to deliver fast performance and efficient server-side rendering
- Improved response accuracy and speed, reducing wait times and boosting user satisfaction through real-time assistance

Aug 2024

Technical Skills

Programming Languages: Python, Java, C, HTML, CSS, Javascript, SQL

Technologies: OpenAI, Microsoft Power Apps, Microsoft Power Automate, Azure Computer Vision, AWS (EC2, RDS, Bedrock), GitHub

Operating Systems: Linux, Unix, Windows, MacOS

Software Tools: Excel, Outlook, PowerPoint, Word

Certificates: HTML for Programmers (LinkedIn), CSS for Programmers (LinkedIn), AT&T 2024 Technology Academy