

Mohammad Shafay Joyo

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Education

Columbia University

Masters, Computer Science

Sep 2023 - Feb 2025

- **GPA:** 3.5/4.0

- **Coursework:** Design for Generative AI, Databases, Cloud Computing and Machine Learning, Human Computer Interaction, Deep Learning for Computer Vision

NED University

Bachelors, Computer Science

Oct 2019 - Aug 2023

- **GPA:** 3.7/4.0

- **Coursework:** Data Structures & Algorithms, Parallel and Distributed Computing, Operating Systems, Software Engineering

Technical Skills

- **Cloud & Enterprise Platforms:** AWS, GCP, Azure, Oracle
- **Data & Analytics:** SQL, MongoDB, Pandas, Excel, Redis, LLMs, NoSQL, Vertex AI
- **Consulting & Tools:** Agile/Scrum, Jira, Postman, PowerPoint, Client Presentations
- **Engineering & Development:** Python, JavaScript, TypeScript, Spring Boot, React, Flask, Node.js, C++, Go, HTML/CSS

Work Experience

Consult America Inc.

Software Engineer Intern

Jun 2025 - Present

Ashburn, VA

- Partnered with business analysts and QA to modernize workflows, improving efficiency of client operations by 30%.
- Conducted requirements gathering, aligned technical deliverables with client needs, and presented recommendations in Agile sprints
- Delivered production-ready solutions on cloud (AWS/GCP), enhancing system performance and stability

Nutanix

Member of Technical Staff Intern

Jun 2024 - Aug 2024

San Jose, CA

- Developed and presented a real-time telemetry dashboard adopted across teams, improving monitoring and reducing issue resolution time by 40%
- Collaborated with stakeholders to optimize API data flow, leading to 30% faster business insights
- Supported enterprise-scale debugging and monitoring, aligning technical metrics with operational KPIs

Columbia University

Graduate Teaching Assistant

Jan 2024 - Dec 2024

New York, NY

- Guided teams on AI/ML projects (CNNs, GANs, ViTs), improving technical communication and client-facing demos
- Mentored students on debugging, data analysis, and interpreting results for stakeholder presentations

Sapphire Consulting Services

Software Engineer Intern

Sep 2021 - Oct 2021

Karachi, Pakistan

- Designed responsive applications for clients, improving customer experience by 20%
- Conducted performance reviews and implemented changes that cut page load time by 25%
- Translated client requirements into technical solutions, ensuring alignment with business goals

Projects

NetGuard | [Github](#)

- Created a Dockerized packet sniffing solution to help enterprises monitor real-time security risks

Distributed File System | [Github](#)

- Designed with fault tolerance & high availability for enterprise-level reliability

PurpleHire | [Github](#)

- Built an AI-powered chatbot to streamline hiring workflows, cutting interview bottlenecks

RealTime Data Pipeline | [Github](#)

- Built a WebSocket server in Go with message history, notifications, and a clean UI

SmartImageLabels | [Github](#)

- Implemented AWS Rekognition for automated image labeling, reducing manual effort for client teams

Certification

- AI and Machine Learning Algorithms and Techniques – Microsoft (Issued Aug 2025)
- Foundations of Project Management – Google (Issued Aug 2025)