

Arjun Reddy Banda

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Professional Summary

Innovative and detail-oriented **Computer Science graduate student** specializing in **Software Engineering, Artificial Intelligence, and Cloud Solutions**. Experienced in designing **scalable applications, RESTful APIs, and distributed systems** using Python, Flask, and React. Proficient in **Azure, Docker, and ChatGPT/OpenAI API** integrations. Passionate about combining **technology and creativity** through projects in automation, storytelling, and design.

Technical Skills

Languages: Python, Java, C++, Go, JavaScript, TypeScript, TCL, VHDL, UNIX Shell
Frameworks & Tools: React, Node.js, Flask, Gradle, Docker, Git, VS Code, Snowflake, Azure (Synapse, Cognitive Search, ML), ChatGPT/OpenAI API
Libraries: NumPy, Pandas, Matplotlib
Operating Systems: UNIX, Linux
Domains: Distributed Systems, AI, Cloud Computing, Data Science, Business Intelligence

Education

Virginia Commonwealth University (VCU) — Richmond, VA *Aug 2024 – Dec 2025*
Master of Science in Computer Science (GPA: 3.4 / 4.0)
Relevant Coursework: Data Mining, AI Systems, Software Testing, Human-Centered Computing

Professional Experience

Graduate Grading Assistant — VCU Department of Computer Science *Aug 2024 – Dec 2024*

- Supported AI, Data Science, and Web Development courses using Python, React, and Flask.
- Debugged modular applications emphasizing **asynchronous programming** and clean code practices.
- Collaborated with faculty to improve code quality, performance, and documentation.

Tech Mentor — Sparkle Fest Hackathon *Jan 2024 – Apr 2024*

- Guided teams in building **enterprise-grade web apps** using React, Figma, and Node.js.
- Assisted participants with project deployment using **Git, Docker, and Azure pipelines**.

Key Projects

AI Resume Bot — Flask + GPT + React
Developed an **AI-driven resume scoring system** replicating ATS logic using NLP and LLMs. Built modular Python APIs and deployed scalable backend on Azure.

Voice Assistant Interface — Python + React
Created an **accessibility-focused voice assistant** integrating Azure Speech Services for real-time interaction and asynchronous event handling.

Certifications

AI Engineer — One Roadmap (2025)
Software Engineering Simulation — Accenture (Forage, 2025)
AWS Solutions Architecture Simulation — Forage (2025)
Data Analytics Simulations — Deloitte & Tata (Forage, 2025)
Software Engineering Simulation — Hewlett Packard Enterprise (2025)
Cybersecurity & Data Analytics — HP LIFE (2025)

Additional Skills

Creative Skills: Book Writing, Photography, Video Editing
Creative Tools: Adobe Lightroom, Premiere Pro, Figma
Soft Skills: Problem Solving, Collaboration, Communication, Creative Storytelling

Additional Information

Preferred Roles: Software Engineer — Data Engineer — AI Engineer
Work Eligibility: Full-time roles post-graduation (Dec 2025)
Interests: Cloud Automation, Enterprise AI, Creative Tech Integration