

RISHITH MODY

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EDUCATION

Arizona State University, Tempe, Arizona
B.S. in Computer Science

Aug 2023 | Expected: May 2027
Current GPA: 3.95

SKILLS

- **Soft Skills:** Communication, teamwork, leadership, problem-solving, work ethic
- **Programming:** Java, Python, C, C++, JavaScript, TypeScript, Node.js, HTML/CSS, SQL, Jupyter Notebook, Tailwind, React
- **Cloud:** AWS, Vercel

EXPERIENCE

VOVANCE Ltd

Software Developer

Ahmedabad, India
May 2024 – Aug 2024

- Optimized ML models and NLP, boosting accuracy by 20%.
- Built scalable backend systems (Python, Node.js, SQL), improving APIs and database performance.
- Participated in code reviews and assisted with design documentation and specification.

ASU - Ask A Biologist

Software Developer

Tempe, Arizona
Sep 2024 – Dec 2024

- Developed a custom web crawler to extract and migrate data from a legacy website to a new Drupal-based platform.
- Ensured seamless data transfer by optimizing migration scripts for accuracy and minimal downtime.
- Collaborated with cross-functional teams to enhance site functionality and improve user experience during the transition.

PROJECTS

AeroDocs — GitHub Link

Technologies used: Next.js, TypeScript, Python, Node.js, Machine Learning, Ollama Llama 3.2

Nov 2024

- Built a streamlined knowledge base and VPC for Honeywell using a RAG pipeline for vector search.
- Developed a search system with barcode scanning, part numbers, and image recognition using LLaVA and YOLO v8.
- Enabled upload and retrieval of documents like maintenance logs and manuals to improve repair workflows.
- Used locally embedded APIs via Ollama to ensure a secure platform

Object Detecting Vest GitHub Link

Technologies used: Python, Raspberry Pi

- Engineered an innovative object-detecting vest aimed at enhancing safety and navigation for the visually impaired.
- Developed a mobile application for step tracking and seamless control of vest features.
- Integrated hardware and software for optimal functionality and user experience.

Orbit — GitHub Link

Technologies used: Python, React, TypeScript, AWS, MongoDB, Vercel, Docker

- Created a travel planning chatbot that provides real-time flight data and booking details.
- Integrated APIs (Gemini 1.5 flash, FlightLabs) to enhance functionality.
- Improved response times by 50% and customer satisfaction by 25%.
- Backend servers currently hosted via AWS and frontend hosted via Vercel

COURSE WORK

Current Course Work: Intro to Programming Languages, Logic in Computer Science, Digital Design Fundamentals, Discrete Math Structures, Intro to Physical Geography, Cities in Cinema

Past Semester Course Work: Object-Oriented Program Data, Introduction to Environmental Design, Calculus for Engineers II, Elements Intercultural Comm, Univ Physics I: Mechanics, Principles of Programming, Calculus for Engineers I, Introduction to Engineering, Intro to Human Communication, English Literature

EXTRA CURRICULAR

Software Developers Association (SoDA), Member

Aug 2023 – Ongoing

- Collaborated on projects, attended professional talks, and prepared for software development careers.

Google Developer Student Club, Member

Aug 2023 – Ongoing

- Participated in hands-on workshops, technical talks, and collaborative projects focusing on Google technologies.

HackerDevils, Outreach Officer

Dec 2024 – Ongoing

- Led outreach initiatives to promote club events and hackathons, increasing participation by 30
- Established partnerships with local organizations to support club activities and sponsorships.
- Organized and participated in hackathons, fostering a collaborative environment for innovation.