

Aakarsh Devulapally

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Summary

Skilled in Python programming, mobile application development, and web design with hands-on experience in testing and debugging to deliver high-quality software solutions. Analytical and adaptable student with a strong foundation in web and mobile application development. Proven ability to provide constructive feedback through peer reviews and improve project outcomes via systematic testing and debugging. Outgoing student seeking flexible part-time opportunities with weekend and evening availability.

Technical Skills

Languages: Python, C, SQL

Frontend: HTML, CSS

Backend: RESTful APIs, request handling, authentication, CRUD operations

Databases: MySQL, PostgreSQL

Tools: Git, GitHub

DevOps (Basic): CI/CD concepts

Operating Systems: Linux / Unix, Windows

Concepts: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks

Specialization: Artificial Intelligence & Machine Learning (Foundational)

Professional Experience

SR University — Student / Software Developer

Warangal, India

Aug 2024 – Present

- Developed and maintained Python applications for data processing and workflow automation, improving task efficiency and reliability.
- Built web applications using Flask and Django, implementing backend logic, routing, and database interactions.
- Participated in peer code reviews, providing constructive feedback to enhance code quality, readability, and maintainability.
- Developed Android mobile applications using Java and Kotlin, implementing core features and UI components.
- Conducted systematic testing and debugging to resolve functional and performance issues and ensure stable application behavior.

Additional Experience

SR University — Academic Projects & Technical Practice

Warangal, India

2024 – Present

- Designed and implemented Python-based academic projects focused on data processing, automation, and problem-solving.
- Built backend-oriented applications using REST concepts, database integration, and modular code structure as part of coursework.
- Developed and tested programs in C, C++, and Python applying concepts from Data Structures, Operating Systems, and DBMS.
- Practiced Linux command-line operations and shell scripting for development and system-level tasks.

- Completed hands-on work in Artificial Intelligence and Machine Learning fundamentals including preprocessing, model logic, and evaluation techniques.
- Collaborated on team assignments using Git and structured development workflows.

Projects

Scalable Backend API for Data Processing & Automation

- Built RESTful APIs using Python and Flask to handle structured data processing and automation tasks.
- Implemented request validation, pagination, and authentication for secure and efficient API access.
- Integrated SQL databases for persistent storage and reliable data retrieval.
- Designed modular backend components to support scalability and maintainability.

Android Application Development (Java & Kotlin)

- Developed Android applications using Java and Kotlin with responsive UI components.
- Integrated backend services and local storage for efficient data management.
- Performed testing and debugging to enhance application stability and performance.

Machine Learning Mini Projects (Academic)

- Implemented Python-based ML workflows including data preprocessing, feature extraction, and model evaluation.
- Built classification models using real-world datasets as part of coursework.
- Applied dimensionality reduction and data transformation techniques to improve model efficiency.

Education

Bachelor of Technology in Computer Science Engineering (AI & ML)

SR University, Warangal, India

2024 – 2028 (Expected)