Mahalakshmi M

Junior Python Developer

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Professional Summary

Junior Python Developer with hands-on experience in Python, Flask, and MySQL. Skilled in API development, backend logic, and database integration. Author of a comprehensive Python programming book. Delivered ERP and Pharmacy Management systems in production environments.

Technical Skills

- **Programming:** Python, SQL, JavaScript
- **Frameworks:** Flask, REST API Development
- **Database:** MySQL
- **Frontend:** HTML5, CSS3, Bootstrap
- **Tools:** Git, GitHub, VS Code, Postman
- **Other:** Figma, Adobe XD

Projects & Experience

Junior Python Developer   Mar 2025 – Present
V4 Sure IT Solutions, Chennai
- Developed and deployed ERP modules (Attendance, Exams, Fee) using Python (Flask) and MySQL; live at SDS Polytechnic College.
- Built a Pharmacy Management System enabling prescriptions, inventory, and sales tracking.
- Designed REST APIs and optimized MySQL queries, improving system performance for 200+ users.

Python Developer Intern   Feb 2025 – Mar 2025
V4 Sure IT Solutions, Chennai
- Integrated Flask APIs with frontend systems for real-time synchronization.
- Refactored ERP codebase, enhancing scalability and maintainability.

Technical Content Writer Intern   Feb 2024 – Feb 2025
Vidh.ai Innovative Technologies, Coimbatore
- Authored a 250+ page Python programming book with structured exercises and projects.
- Created accessible technical content and visuals using Figma and Adobe XD.

Academic Project: E-commerce Prototype   2023

- Designed a prototype with product catalog, cart, and payment workflow using Flask and MySQL.

Education

Year	Institution / Degree	Result
2020–2024	B.Tech in Information Technology, Hindusthan Institute of Technology, Coimbatore	CGPA: 8.8/10
2020	Class XII (Computer Science), Mount Park Hr. Sec. School, Thiyagadurgam	68%
2018	Class X, Thiruvalluvar Matric Hr. Sec. School, Panruti	88%