Mahalakshmi M

Python Stack Developer | Junior Developer

Chennai, India
+91-90255 41130
✉ mahalakshmimurugan0603@gmail.com
in mahalakshmimurugan

Professional Summary

Python Stack Developer with hands-on expertise in **React.js**, **Flask**, and **MySQL**. Experienced in designing and deploying ERP, Pharmacy, and E-commerce systems in production. Strong in REST API design, backend logic, state management, and database optimization. Author of a complete Python programming book with structured exercises and projects.

Technical Proficiency

Core Stack	**Python + Flask + MySQL + React.js**
Programming	Python, JavaScript, SQL, Java (Intermediate)
Frontend	React.js, HTML5, CSS3, Bootstrap
Backend	Flask, REST API Development, Authentication, MySQL
Tools	Git, GitHub, VS Code, Postman, Docker (Basics)
Design	Figma, Adobe XD

Projects & Experience

Mar 2025–Present — **Python Stack Developer**, *V4 Sure IT Solutions*, Chennai
- Built and deployed ERP modules (Attendance, Exams, Fee) with React + Flask, live at SDS Polytechnic College.
- Developed Pharmacy Management System (React + Flask + MySQL) enabling prescription tracking, inventory control, and sales reports.
- Engineered REST APIs, optimized MySQL queries, and improved cross-module integration for 200+ users.

Feb 2025–Mar 2025 — **Python Stack Intern**, *V4 Sure IT Solutions*, Chennai
- Integrated Flask APIs with React, ensuring real-time sync between frontend and backend.
- Refactored ERP codebase for scalability and efficiency.

Feb 2024–Feb 2025 — **Technical Content Writer Intern**, *Vidh.ai Innovative Technologies*, Coimbatore
- Authored a 250+ page Python textbook with structured exercises, quizzes, and projects.
- Produced educational content and visuals using Figma and Adobe XD.

Academic Project — **E-commerce Prototype**, *College Project*
- Designed a working prototype with product catalog, cart, and payment integration using React + Flask APIs.

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%