

Rajesh Kumar G

Python Developer

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LinkedIn: LinkedIn | GitHub: GitHub | Portfolio: Portfolio

Location: Coimbatore, Tamil Nadu, India

Professional Summary

Results-driven Backend Developer with hands-on experience in designing, developing, and optimizing scalable backend systems and RESTful APIs using Python, Django, and FastAPI. Proven ability to enhance system performance and maintainability through legacy modernization and process automation. A collaborative team player with a strong foundation in software engineering principles and Agile methodologies, eager to solve complex problems and contribute to high-impact products.

Technical Skills

Backend:	Python, Django, FastAPI, Flask, SQLAlchemy, Asyncio, RESTful APIs
Databases:	PostgreSQL, MySQL
Cloud & DevOps:	AWS (EC2, S3, CodeDeploy), Docker, Git, GitHub, GitLab, Bitbucket
Methodologies:	Agile, Scrum, CI/CD Principles
Familiar With:	JavaScript, TypeScript, React.js, Pandas.

Professional Experience

Junior Python Developer

Mallow Technologies Private Limited

August 2024 – August 2025

Coimbatore, India

- Enhanced system stability by refactoring both the application code and test cases, which fixed critical bugs, optimized query speed, and improved maintainability.
- Contributed to modernizing a legacy telecom system by migrating a module from C to Python and deploying new automation features, which enhanced maintainability, improved system reliability, and significantly lowered operational costs.
- Led backend development within a cross-functional squad, maintaining the core user platform, improving system reliability, and migrating features from a monolithic architecture to microservice-based Python FastAPI. Enhanced test coverage using PyTest to strengthen system stability.

Key Projects

Library Management System

2024

- Engineered a decoupled full-stack application using React.js for the frontend and Django REST Framework (DRF) for the backend API.
- Implemented secure JWT-based authentication and comprehensive CRUD operations for books, members, and borrowing records.

Multi-Modal Ticket Booking System

2023

- Developed a monolithic full-stack ticket booking platform for bus, flights and trains using the Django framework and server-side templates.
- Designed the database schema and implemented core logic for user management, dynamic search functionality, booking processing, role-based access control, and seat availability.

Education

Bachelor of Technology in Artificial Intelligence and Data Science

Rathinam Technical Campus, Coimbatore, India

2020 – 2024

CGPA: 8.11/10

Master of Engineering in Biometrics and Cybersecurity (Pursuing)

Rathinam Technical Campus, Coimbatore, India

2025 – Present

Professional Development & Languages

Professional Certifications:

- Generative AI – Microsoft
- Cloud Essentials – Veranda Learning
- CCNAv7: Introduction to Networks – Cisco Networking Academy
- Introduction to Cyber Security – Cisco Networking Academy

Languages:

- Tamil (Native)
- English (Professional Working Proficiency)