Ramesh Kanna

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Passionate Python Backend Developer | Focused on Scalability, Efficiency, and Machine Learning

SUMMARY

Python Backend Developer with strong experience in Django, Django Rest Framework, PostgreSQL, and REST API design. Skilled in Docker-based deployment, CI/CD automation, and performance optimization for high-traffic applications. Actively building expertise in Machine Learning with pandas, NumPy, and scikit-learn, leveraging back-end expertise to data processing pipelines and model deployment. More than 200+ LeetCode problems solved, demonstrating strong algorithmic thinking and problem solving skills.

EXPERIENCE

PIXIRUS CONTENT AND SERVICES LLP | Python Developer

October 2023 – Present | Puducherry, India

- Designed and deployed an OCR API integration platform using Django, HTMX, Tailwind CSS, and PostgreSQL.
- Integrated EasyOCR, Google Document AI, and Azure OCR APIs, processing 50,000+ images with 95%+ text extraction accuracy.
- Developed an admin dashboard for user management, activity tracking, and performance monitoring.
- Used Docker and Linux for containerized development and production deployments, reducing setup time by 40%.

APPXPERTS | Python Developer

November 2022 – July 2023 | Puducherry, India

- Built backend API for an e-learning platform using Django Rest Framework with optimized database queries (30% faster load times).
- Implemented JWT authentication and role-based access control for secure user management.
- Designed scalable REST APIs to handle 10,000+ concurrent requests with minimal latency.

SKILLS

Frontend: HTML, CSS, JavaScript, Alpine.js, Tailwind CSS
Backend: Python, Django, Django Rest Framework, FastAPI, PostgreSQL
ML/Data: pandas, NumPy, scikit-learn, Matplotlib, Seaborn
Tools: Git, Docker, Linux, CI/CD, REST APIs, JWT Authentication

EDUCATION

CHRIST INSTITUTE OF TECHNOLOGY

B.Tech in Electronics and Communication Engineering
July 2018 – August 2022 | Puducherry, India
CGPA: 8.01

LINKS

LeetCode: https://leetcode.com/rameshkanna74
GitHub: https://github.com/rameshkanna74
LinkedIn: https://www.linkedin.com/in/ramesh-kanna-046142241/

PROJECTS

OCR API INTEGRATION APP | Django, HTMX, PostgreSQL

2024

- Built a web app integrating EasyOCR, Google Document AI, and Azure OCR APIs.
- Enabled upload, text extraction, real-time editing, and saving to PostgreSQL.

E-LEARNING PLATFORM | Django Rest Framework, JWT Auth

2023

- Developed secure APIs with JWT and role-based permissions.
- Optimized database queries, improving API performance by 30%.

ML STOCK PRICE PREDICTOR | Python, pandas, scikit-learn

2025

- Created an ML pipeline to predict stock prices using historical data.
- Implemented feature engineering, model training (Random Forest), and evaluation with 85% accuracy.

LANGUAGES

- Tamil — Native
- English — Professional
- Japanese — Conversational (NAT 3Q Certification)

INTERESTS

- Learning Rust for systems programming
- Practicing calisthenics
- Exploring ML model deployment
- Building custom PCs