

VIKRAM SINGH

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PROFESSIONAL SUMMARY

Former mechanical engineer transitioning to software development after completing intensive bootcamp. Quick learner with strong problem-solving skills from engineering background. Completed multiple Python backend projects during career transition.

WORK EXPERIENCE

Freelance Backend Developer

Self-Employed | Hyderabad | January 2024 - Present

- Building REST APIs using Django REST Framework for small business clients
- Developed inventory management system backend with PostgreSQL
- Learning Docker and deployment best practices

[Career Break: October 2021 - December 2023]

- Family caregiving responsibilities
- Self-study: Completed Python programming courses
- Attended 6-month full-stack bootcamp (2023)

Mechanical Engineer

AutoParts Manufacturing Ltd | Chennai | July 2018 - September 2021

- Designed and optimized manufacturing processes using CAD software
- Wrote Python scripts to automate quality control data analysis
- Led team of 5 technicians in production line improvements
- Reduced defect rate by 25% through process optimization

EDUCATION & TRAINING

Full-Stack Web Development Bootcamp

Masai School | 2023 | Focus: Python, Django, PostgreSQL, React

Bachelor of Engineering in Mechanical Engineering

Anna University | 2014 - 2018 | First Class

BOOTCAMP & PERSONAL PROJECTS

E-Commerce API (Bootcamp Capstone)

- Built complete REST API with Django REST Framework
- Implemented user authentication, product catalog, cart, and order management
- Used PostgreSQL for data storage with proper indexing

Task Scheduler CLI Tool

- Python application with SQLite backend
- Implemented cron-like scheduling functionality

TECHNICAL SKILLS

Languages: Python (Intermediate), SQL, JavaScript (Basic)

Backend: Django, Django REST Framework, Flask (Basic)

Databases: PostgreSQL, SQLite

Tools: Git, GitHub, VS Code, Postman

Learning: Docker, AWS basics, Redis