

Mohammed Nishad *Python Backend Developer*

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📍 Malappuram, Kerala

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SKILLS

Expertised :

- Python
- Django
- Django REST Framework
- REST API
- ORM (Object Relational Mapper)
- MVT Architecture
- OOPS
- React.js
- Redux
- JavaScript
- HTML5/ CSS3 / Tailwind CSS / Bootstrap

Familiar :

- FastAPI
- Celery
- Nginx
- Docker
- AWS (EC2, RDS)
- Redis / RabbitMq
- Django Channels / WebSocket
- Microservice Architecture

Database :

- PostgreSQL
- MySQL

Integrations :

- Razorpay
- JWT (JSON Web Token)

DevOps & Tools:

- Git
- GitHub

PROJECTS

CODEMENTOR AI - AI BASED CODING PLATFORM

- Designed and developed a **Full-stack, AI-driven platform** that acts as a virtual senior engineer to coach developers in **thinking, coding, and communicating like real software engineers**.
- Architected scalable backend services using **Django, DRF, and FastAPI**, supporting **REST APIs, WebSockets**, and real-time workflows.
- Integrated **LLM-based AI evaluation** to analyze code correctness, reasoning depth, complexity analysis, and communication clarity.
- Implemented **real-time collaboration** features using **Django Channels** and **WebSockets** for live coding and chat.
- Designed **secure authentication** and **authorization** using **JWT** and **OAuth (Google, GitHub)**.
- Optimized performance using **Redis caching** and **Celery background workers**.
- Containerized backend services using **Docker and Docker Compose** for consistent development and deployment.
- **Tools and Technologies Used :**
 - **Frontend:** React, Tailwind CSS, Monaco Editor , ContextAPI
 - **Backend:** Python, Django, Django REST Framework, Django Channels, Celery, Redis.
 - **Architecture:** Microservices, REST APIs, WebSockets, Real-Time Collaboration.
 - **Devops & Tools:** Docker, Docker Compose
 - **Version Control & Collaboration:** Git, GitHub

EXPERIENCE

Python FullStack Developer,
Bridgeon Solutions LLP
May 2025 – Present | Calicut, Kerala

EDUCATION

Bachelor of Computer Applications (BCA),
University of Calicut
2022 – 2025 | Malappuram, Kerala

E-COMMERCE WEB APPLICATION: ☰

- Implemented a full-stack e-commerce system using **React**, **Django**, **DRF**, and **PostgreSQL**.
- Configured secure authentication flows including **JWT**, **OTP** verification, and role-based access.
- Integrated the **Razorpay** payment gateway with order tracking and automated email alerts.
- Deployed the application on **AWS**, ensuring availability and performance in a cloud environment