

PRIYAM JHA

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PROFESSIONAL SUMMARY

Python Backend Developer with hands-on experience in building scalable web applications and RESTful APIs using Django and FastAPI. Skilled in integrating AI/ML models, designing efficient database systems, and implementing asynchronous tasks with Celery and Redis. Proficient with Docker and Git for development and deployment workflows. Strong focus on performance optimization, system design, and writing clean, maintainable code.

TECHNICAL SKILLS

Languages: Python, SQL, C++

Frameworks: Django, Flask, FastAPI, Django REST Framework

DevOps/API Tools: Git, Docker, Postman, Linux

Others: Pandas, NumPy, MongoDB, MySQL, PostgreSQL, Redis, Celery, OLLAMA

EXPERIENCE

IOT Engineer Intern | Dhruva Technologies

Jhandewalan | (April 2025 - June 2025)

- Engineered a LoRa-based lightning protection continuity monitoring system using dual ESP32 boards. Developed custom firmware for real-time fault detection, battery monitoring, and wireless data transmission between sensor and receiver units.
Designed a web dashboard hosted locally on the receiver, accessible without internet via Wi-Fi access point, to display live status, battery health, and device logs.
- Built a Django application to collect weather data from in-house sensors (via a custom API), store it in a database, and visualize metrics like temperature, humidity, and pressure through a real-time dashboard.

Backend Developer Intern | CYMAKE INC.

Tilak Nagar | (January 2025 - March 2025)

- Developed and optimized Django-based backend services, improving response time through query optimization.
- Designed and integrated RESTful APIs for client applications, ensuring seamless data flow and scalability.
- Collaborated with frontend teams to implement SSE-based real-time notifications for user interactions.

EDUCATION

Bachelor of Computer Applications (BCA) – 8.8 CGPA

2022 – 2025

Banarsidas Chandiwalla Institute of Information Technology | New Delhi, India

PROJECTS

ExploreSphere – Regional Exploration Web App

Django, SQL, Stripe, Folium, Ollama, OpenWeather API, WebSockets

- Built a location-based exploration platform with user authentication, Stripe-based subscriptions, and live weather data integration. Integrated a region-aware AI chatbot using Ollama/Gemma and scaled chatroom features with WebSockets.

AutoAnalyzer – Universal Data Analyzer Tool

Python, Django, Pandas, NumPy, SQL, Plotly, ReportLab

- Developed a backend-focused tool to analyze datasets (CSV, Excel, JSON) with automated cleaning, statistical summaries, and visualizations. Implemented PDF report generation, data validation, and efficient handling of large datasets.