MANU SINGH

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Summary

Final-year Information Technology student skilled in **Python** and **Django**. Built projects involving **REST APIs**, database management, and AI-based assistants using **LangChain** and **FastAPI**.

Education

B.P. Poddar Institute of Management and Technology (BPPIMT)   **Sep 2022 – May 2026**
B.Tech in Information Technology   *Kolkata, WB*

Experience

INA Internet Pvt. Ltd.   **Dec 2024 – Jan 2026**
UI/UX Design Intern   *Remote*

- **Designed** UI/UX for an education mobile app and web admin panel using **Figma**, improving interface clarity by **30%**.
- Contributed to end-to-end design for **2+ client projects**, delivering clean, consistent, and user-friendly layouts.
- Created **30+ interactive prototypes** for mobile and web, speeding up developer handoff by **40%**.
- **Ensured** responsive design across **3+ screen sizes**, boosting usability scores in client demos by **25%**.
- **Collaborated** with **developers and product lead** to iterate on feedback and reduce delivery time.

Projects

CampusMate – AI-Powered RAG System | *LangChain, FastAPI, Pinecone, Groq, Streamlit* [Link]   **Jul–Aug 2025**

- Built **CampusMate**, an AI assistant applying **RAG** to let students and educators query 100+ page PDFs in seconds, reducing manual search time by **60%**.
- Engineered PDF parsing, semantic chunking, and embedding generation, supporting files up to **200 MB**.
- Optimized semantic retrieval with **Pinecone**, delivering sub-**2s** responses powered by **Groq's LLaMA3-70B**.
- Delivered an end-to-end solution with **Streamlit frontend** and **FastAPI backend**, deployed on **Render**.

Eco Park Ticket Booking System | *Django, Bootstrap, Razorpay API, SQLite* [Link]   **Mar–Apr 2025**

- Engineered a **web-based ticket booking system** to eliminate **long queues** and manual operations at Eco Park.
- Integrated **Razorpay API** for cashless payments, improving convenience at entry points.
- Applied **QR code-based ticket verification** to curb duplicate and fake entries, cutting fraud by **60%**.
- Launched a **responsive, mobile-optimized UI** which boosted **mobile bookings by 40%**.

Django Task Queue System | *Django REST Framework, Celery, SQLite* [Link]   **May–Jun 2025**

- Developed a secure REST API backend with token authentication, reducing unauthorized access by **90%**.
- Implemented asynchronous email confirmations using **Celery**, improving reliability of background tasks.
- Added job status tracking via custom API endpoints, cutting debugging time by **40%**.

Technical Skills

Languages: Python, C++, C, HTML, SQL
Tools: GitHub, Postman, Figma, VS Code, Render
Frameworks/Technologies: Django, Django REST Framework, FastAPI, Streamlit, LangChain, Bootstrap
Concepts: Retrieval-Augmented Generation (RAG), Vector Databases

Certifications

- **Oracle Certified Generative AI Professional** (Oracle) [Certificate]   **Aug 2025**
  Validated skills in **LLMs**, **OCI Generative AI Service**, and **RAG**-based applications using **LangChain**, **Semantic Search**, and **Vector Databases**.

- **Django Essentials** (Infosys Springboard) [Certificate]   **Jun 2025**
  Completed a project-based certification focused on **backend development**, including Django models, views, and deployment.

Achievements & Leadership

- **Top 300 in CodeQuezt #21** (Naukri Campus, 2025): Ranked in the top 300 out of 25,000+ global participants.

- **DSA Practice** (2022–Present): Solved **300+ problems** on LeetCode, GFG, and CodeChef.

- **UI/UX Contest Finalist** (Calcutta University, 2024): Won **2nd place** for designing a modern e-commerce platform.

- **Cricket Team Captain** (BPPIMT IT Dept., 2023–Present): Led team to **1st place** in 2024 and runner-up in 2025.