Prince Choudhury

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Experience

AI Engineer Intern — Dec 2024 – Feb 2025
Logstrike Technologies — *Mumbai, India*

- Developed and optimized scalable backend services using Python, improving system performance and reliability.
- Integrated and managed cloud infrastructure on GCP, including Firestore, Datastore, and Cloud Storage.
- Applied prompt engineering techniques to enhance AI interactions.

ML Engineer Intern — Oct 2023 – Nov 2023
PearlThoughts — *Thoothukudi, Tamil Nadu*

- Built and deployed LLM-powered chatbots, enhancing customer engagement and response accuracy.
- Collaborated with cross-functional teams to deliver production-ready AI solutions.

Business Analytics Intern — Apr 2024 – Jun 2024
TheSmartBridge — *Hyderabad, India*

- Conducted data visualization and analysis on airline datasets to derive actionable business insights.
- Collaborated with business teams to implement data-driven strategies and decision-making processes.

Projects

Post Recommendation Engine (Twitter-Like) — Dec 2024 – Jan 2025
Content Recommendation System — *Python, FAISS, Google Generative AI*

- Developed a content recommendation engine similar to Twitter for personalized posts.
- Used FAISS for similarity search and Google GenAI for embedding generation.
- Integrated GCP services like Firestore, Datastore, and Cloud Storage.

Complete Self-Driving Car — Sep 2024 – Nov 2024
Autonomous Vehicle Project — *Python, OpenCV, TensorFlow, Flask*

- Built a self-driving car system for real-time lane detection and steering control.
- Implemented CNN models for steering predictions using camera inputs.
- Used Flask and Python-SocketIO for real-time communication with the car simulator.

Technical Skills

- **Languages**: Python, SQL, C++
- **Frameworks**: TensorFlow, Pytorch, FastAPI, LangChain, Flask
- **Libraries & Tools**: NumPy, Pandas, Scikit-learn, Cursor AI, Docker, Git, Hugging Face, Google Cloud Platform
- **Others**: Machine Learning, Statistics, Data Structures, Algorithms, Problem Solving, Prompt Engineering

Education

Vellore Institute of Technology (VIT) — Aug 2021 – May 2026
Integrated M.Tech in CSE(Computational and Data Science), CGPA: 8.86/10

Certifications

- Oracle Cloud Infrastructure 2024 Generative AI Professional (1Z0-1127-24) — Jul 2024
- Databases SQL For Data Science With Python (IBM) — Aug 2023
- Applied Machine Learning in Python (University of Michigan) — Jan 2023

Extracurricular Activities

- Data Science and Defence Club Coordinator - Led events, fostering collaboration and organizational skills — Feb 2024 – Jan 2025
- Hacker House Goa Hackathon - Ranked in the top 5% among national participants for innovative tech solutions — Aug 2024
- AR/VR Hackathon Winner - Built an Instagram filter recognized for innovation in AR; awarded for performance — Mar 2022