

Prashant Dhuri

+91 8793080701 | prashantdhuripd6@gmail.com | linkedin.com/in/prashantdhuri08/ | github.com/PrashantDhuri08

SUMMARY

Computer Engineering undergraduate (B.E., VCET, May 2027, GPA: 8.00*) passionate about building production-ready AI systems using **LLM orchestration**, **backend engineering**, and **edge AI**. Experienced with Python, FastAPI, Next.js, TensorFlow Lite, and modern AI workflows through industry, open-source, and hackathon projects. Full-Stack Intern at Zofatech, TechBlitz 2026 Winner, AMD AI Sprint participant, and GATE 2026 qualified (3rd year).

EDUCATION

Vidyavardhini College Of Engineering and Technology, Vasai

Mumbai, MH

Bachelor of Engineering in Computer Engineering

2023 - 2027

EXPERIENCE

Software Engineering Intern

Jan 2026 - April 2026

Zofatech - Startup Web Agency

Remote

- Developed a **CMS-driven** platform using Next.js, FastAPI, PostgreSQL, and Supabase for construction professionals to manage projects, services, and website content..

PROJECTS

PayProtect —On-Device Scam Detection (Research Paper) 🧠 | *Python, Kotlin, TensorFlow Lite, NLP, Edge AI*

- Developed a privacy-first Android accessibility app for **real-time payment scam detection** using **TensorFlow Lite** and AccessibilityService to analyze on-screen content.
- Developed the scam-detection **CNN model** and curated a custom **30K multilingual** SMS dataset (English, Hindi, Marathi, Hinglish) across 5 classes (spam, promotional, transactional, ham, not ham)
- Optimized a **MobileBERT** model to **4.8MB**, achieving **97.1% accuracy** with **sub-20ms** on-device inference.

Atom8 —AI-Powered Data Structurizer & Insights Platform 🧠 | *Next.js 15, FastAPI, Python, LLMs, WebSockets*

- Built a **multi-stage LLM pipeline** to transform unstructured multimedia into structured JSON/CSV datasets .
- Designed an **MCP-based agentic architecture** enabling tool calling, structured outputs, and multi-LLM orchestration.
- Integrated **Groq Llama 3.3 70B** and **Gemini 2.5 Flash Lite** for provider-agnostic AI data extraction.
- Developed **AI-generated PDF reports** with **real-time WebSocket progress**.

Clinico - WhatsApp-based clinic appointment system | *Next.js, FastAPI, Redis, Baileys.js, Sarvam AI*

- Built a **multilingual WhatsApp**-based appointment automation system for clinics and hospitals, demonstrating proficiency in **Conversational AI** and Healthcare Tech.
- Integrated **conversational voice workflows**: patients could send voice notes, which were transcribed via **speech-to-text pipelines** and processed using **Sarvam AI**, simplifying patient interaction.

ACHIEVEMENTS & LEADERSHIP

- 1st Place**, TechBlitz 2026 (VCET) – Won 12hr hackathon by building whatsapp based receptionist system(200+ teams).
- AMD AI Sprint 2025**, IIT Bombay – Fine-tuned LLaMA-4B on AMD MI300X GPUs with FP16 for scheduling tasks.
- GATE 2026** – Qualified in 3rd year of B.E.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, SQL, C/C++, Java

Backend & Systems: FastAPI, Node.js, Express.js, Bun, REST APIs, PostgreSQL, Redis, Supabase, WebSockets

AI/ML: LLM Orchestration, LangChain, RAG, TensorFlow, TensorFlow Lite, Scikit-learn, NLP, Conversational AI, Edge AI, Model Optimization, Data Engineering

Frontend & Tools: Next.js, React, Git/GitHub, Docker, AWS, GCP, Bash, Linux