Priyanshi Sharma

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Education

Vellore Institute of Technology, Bhopal   *Expected Graduation: May 2026*
Bachelor of Technology in Computer Science & Engineering CGPA: 8.45/10

Reliance Foundation School, Surat   *June 2010- June 2022*

Projects

Jenna – Personal AI Agent   *Ongoing*

- Developing an AI-powered desktop assistant with 8+ automation modules for productivity, wellness, and scheduling using Python, FastAPI, React, and Google Cloud APIs.
- Implemented core voice assistant features with LiveKit and Langchain, leveraging advanced prompt engineering for intelligent, voice-navigated automation.
- Architected a self-evolving automation engine, enabling the assistant to autonomously discover and suggest new productivity strategies tailored to user behavior.

Jotter – Note-Taking Website with OCR   *Mar 2024 – Aug 2024*

- Built a web platform for note-taking using HTML, CSS, JavaScript, and Streamlit; integrated PyTesseract, CNN, and OpenCV for OCR functionality.
- Enhanced user engagement by implementing NLP-driven text analysis and real-time note conversion with Retrieval-Augmented Generation (RAG).

ML Model for Drowsiness Detection using EEG Signals   *Sep 2023 – Nov 2023*

- Developed an EEG-based drowsiness detection system in MATLAB using LSTM networks, achieving 90% accuracy.
- Optimized data preprocessing, segmentation, feature extraction, and machine learning algorithms for robust real-time drowsiness detection.

Voting System for School Head Elections   *August 2021 – December 2021*

- Developed a streamlined election voting application using Python and MySQL for data management.
- Designed features for voter validation, vote collection, and demographic analysis using standard Python and SQL techniques.
- Enabled secure, accurate election processes within an educational setting through simple data handling and clear reporting

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Work Experience

GenAI Intern,Ernst and Young   *May 2025 – Present*

- Built multilingual RAG (retrieval augmented generation) pipelines with LangChain and vector DBs for accurate retrieval.
- Developed data pipelines and prompt engineering templates to enhance LLM performance.
- Implemented projects based on modern LLMs applying custom optimization techniques
- Deployed API backends and automated CI/CD with Docker and Kubernetes for faster delivery.

Financial Analyst & Investment Banking Intern, Finlatics   *Mar 2023 – May 2023*

- Analyzed and optimized financial models for 5+ projects, increasing forecast accuracy by 15%.
- Constructed valuation models and executed comprehensive market research to enhance portfolio performance and mitigate risks.

Skills

Programming: Python (Proficient), Java (Proficient), MATLAB, HTML, CSS, JavaScript, C++, C, Git, GitHub, VS Code
Frameworks/Libraries: Langchain, OpenCV, Flask, FastAPI, MySQL
Machine Learning/AI: Deep Learning,CNN, LSTM, NLP, Tesseract OCR, Generative AI, Data Analysis, Financial Modeling
Languages: Hindi, English, Gujarati

Certifications & Achievements

- Finalist, EY Techathon 5.0 (Top 11 out of more than 150,000 participants).
- Semi-finalist, Tata Elxsi Teliport Hackathon Season 2.
- Semi-finalist, TBO.com VoyageHack 2.0.
- Semi-finalist, Johns Hopkins University Health Hackathon.
- Published paper at IEEE Conference: "Immersive Urban Narratives – AR & Data Visualization in Smart Cities Planning" (SCEECS 2025, MANIT Bhopal).
- NPTEL Cloud Computing (IIT Kharagpur, May 2024; Top 5%) and NPTEL Marketing Analytics (IIT, May 2025; Top 5%).
- AWS Solutions Architect – Associate Certificate.

CO-CURRICULARS

- **Blogger, Medium**: Authored tech-focused articles, increased blog traffic by 40%, and influenced industry leaders.
- **Secretary-General, VITBMUN Club**: Managed and headed a team of 50 core members, spearheaded events with 200+ participants, increased MUN participation by 20% in college, and led training programs for new participants.
- **Core Team, Fintech Club:** Led market analysis, created fintech content, and organized workshops for 100+ students.
- **Content Team, E-commerce Club:** Boosted social media engagement and managed campaigns increasing registrations by 25%.
- **Social Media Lead, Freelancing Club**: Grew event registrations by 35% and followers by 20% through effective content strategies.