

Priyanshi Sharma

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Education

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science & Engineering, CGPA: 8.61/10

Expected Graduation: May 2026

Reliance Foundation School, Surat

Class XII (CBSE): 90% (PCM + CS) • Class X (CBSE): 95.6%

Projects

Voting System for School Head Elections

Aug 2021 – Dec 2021

Created a secure Python/MySQL voting system ensuring accurate voter validation and demographic data analysis, thereby fortifying transparency and fairness in the electoral process which had been used by 1000+ students for student council elections.

ML Model for Drowsiness Detection using EEG Signals

Sep 2023 – Nov 2023

Engineered an(electroencephalograph) EEG-based drowsiness detection system in MATLAB using LSTM networks; achieved 90% accuracy by optimizing data preprocessing, segmentation, and feature extraction Machine Learning algorithms.

Jotter – Note-Taking Website with OCR

Mar 2024 – August 2024

Developed a web platform using HTML CSS and Javascript with streamlit integrating PyTesseract, CNN, and OpenCV to perform OCR, coupled with NLP-driven text analysis. Elevated user engagement through real-time note conversion and recommendations using RAG(Retrieval-Augmented Generation).

Jenna-Personal AI Agent

Ongoing

Currently building Jenna, an AI-powered personal desktop assistant, with 8+ planned AI task automation modules for productivity, wellness, and smart scheduling using Python, FastAPI, React, and Google Cloud APIs. Developed core voice assistant functionality using LiveKit for real-time audio and langchain. Used advanced prompt engineering and system prompting methods to automate tasks.

Work Experience

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.

Blogger, Medium

May 2020 – April 2023

- Authored over 5 in-depth articles on AI, cybersecurity, and productivity, driving a 40% increase in organic traffic.
- 12k+ reads on articles and 22k+ views on SEO optimized articles
- Investigated emerging tech trends, influencing industry leaders and startups through actionable insights.

Secretary-General, VITBMUN

May 2023 – May 2025

- Coordinated 200+ participants during large-scale MUN conferences and boosted event attendance by 30% through strategic partnerships.
 - Designed and facilitated 10+ training sessions on diplomacy and public speaking, benefiting over 150 students.
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Certifications & Achievements

- Finalist, EY Techathon 5.0 (Top 11 in 1.5 lakh+ 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 for 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%)
 - NPTEL Marketing Analytics (IIT May 2025; Top 5%)
 - Bits and Bytes of Networking (Google, Dec 2023)
 - AWS Solution Architect-associate certificate
 - IBM DevOps and design thinking certification
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Skills

Programming: Python (proficient), Java (Proficient), MATLAB, HTML, CSS, Javascript, C++, C

Frameworks/Libraries: Langchain, OpenCV, Flask, FastAPI, MySQL, MongoDB

Machine Learning/AI: CNN, LSTM, NLP, Tesseract OCR, Generative AI

Tools: Git, GitHub, VS Code, MATLAB

Additional: Data Analysis, Financial Modeling, SEO, Content Writing, Social Media Management

Languages: Hindi, English, Gujarat