

PRIYANSHI SHARMA

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Education

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science & Engineering, CGPA: 8.49/10

Bhopal, India

Expected Graduation: May 2026

Reliance Foundation School

High School Education, Class X:95.2%, Class XII:89.6%

Surat, Gujarat

June 2010 – June 2022

Professional Experience

GenAI Intern

Ernst and Young

May 2025 – August 2025

Remote

- Built a **multilingual RAG pipeline** using **LangChain**, **FAISS**, and **Gemini APIs**, capable of **processing 6–7×100-page documents in seconds vs ~8 hours manually**, with **YAML-configurable LLM selection**.
- Created an **LLM auto-selector** to **automatically pick optimal models across 3 providers (OpenAI, Gemini, Anthropic and Grok)** eliminating manual configuration and improving document analysis efficiency.
- Engineered a **multimodal parser** using **LlamaParse + LlamaIndex** with **context-aware semantic chunking**, generating **JSON knowledge bases of text & images for Gemini-powered citation-rich RAG insights**.

Financial Analyst & Investment Banking Intern

FincruX Technologies LLP

March 2023 – May 2023

Remote

- Automated** market trend analysis using **Python**, **Pandas**, and **Yahoo Finance APIs**, cutting **manual research by 40%** and generating **buy/sell recommendations**.
- Modeled DCF and equity valuations for 5+ companies with Excel & Python**, improving **forecast accuracy by 15%** and accelerating investment decisions.

Projects

Jenna – Personal AI Agent | Python, LangChain, Modular Agent Architectures

Ongoing

- Structured a **multimodal desktop AI assistant supporting voice, vision, and text inputs**, enabling **real-time autonomous task execution and 5+ user workflows**.
- Reduced response latency by 30% through **object-oriented modular agent design** and asynchronous pipeline optimization.
- Developed 4 **multi-agent collaboration** and **self-help modules**, enhancing user engagement and task completion efficiency.

Arthika-Agentive AI Financial Companion | Python, FastAPI, LangChain, LLMs, WhatsApp API

June 2025 – July 2025

- Produced 5+ **personalized business plans by evaluating 10+ financial metrics** including **revenue streams, cost structures, and ROI** projections.
- Generated 7 financial goal roadmaps** by processing **20+ income and expense data points**, providing optimized micro-savings and portfolio allocation strategies.
- Delivered 5+ goal-tracking and portfolio reports through RESTful FastAPI endpoints to a multilingual WhatsApp and mobile interface.

Jotter – Note-Taking Website with OCR | HTML, CSS, Javascript, Python, CNN, OpenCV

March 2024 – August 2024

- Extracted handwritten text with 87% accuracy** by processing **100+ note images** using **PyTesseract and OpenCV**.
- Transformed raw notes into **100+ semantic summaries** and action items through a **RAG pipeline with context-aware chunking**.
- Presented **interactive note-digitization dashboards via Streamlit**, accelerating manual review by ~70%.
- Implemented a **customizable text editor for web applications** that allows users to create, edit, and save documents directly; this feature has contributed to a 50% reduction in time spent on document formatting tasks.

Technical Skills

Languages: Python (Proficient), Java (Proficient), MATLAB, HTML, CSS, JavaScript, C++, C.

Frameworks & Tools: Flask, FastAPI, LangChain, VS Code, MySQL, Streamlit, Pandas, NumPy, Excel.

Machine Learning/AI: Deep Learning, CNN, LSTM, NLP, Tesseract OCR, Generative AI, Data Analysis, Financial Modeling, OpenCV.

Cloud and Devops: Git, GitHub, AWS (EC2, S3, RDS, VPC, IAM, Lambda, ECS, SQS, SNS), Docker, Linux, GCP Basics.

Achievements

Competition Achievements:

- Finalist EY Techathon 5.0 (Top 11/150,000+).
- Semi-finalist Tata Elxsi Teliport Hackathon Season 2.
- Semi-finalist TBO.com VoyageHack 2.0.
- Semi-finalist Johns Hopkins University Health Hackathon.
- Silver Medalist in Cloud Computing Course by NPTEL.

Publications: Published paper at IEEE Conference: "Immersive Urban Narratives – AR & Data Visualization in Smart Cities Planning" (SCEECs 2025, MANIT Bhopal).

Leadership and Volunteering

- Secretary-General at VITBMUN Club:** Managed 50-member core team, spearheaded 200+ participant events, increased MUN participation by 20%, and led training programs.
- Core Team Member at Fintech Club:** Led market analysis, created fintech content, organized 2 workshops.