

CHINDIRI CHAKRI

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EDUCATION

Vellore Institute of Technology

B.Tech - Computer Science and Engineering - **CGPA - 8.49**

2022 – 2026

Bhopal, India

PROJECTS

Shop Smart – Product Recommender ↗ | Python, Flask, SQLite, Hugging Face October 2025

- Created hybrid recommendation system with LLM-generated explanations using DistilGPT2, achieving 87.3% accuracy and enhancing user trust through transparent AI-driven insights.
- Established a full-stack Flask application with Bootstrap 5 frontend, implementing secure authentication, RESTful APIs, and responsive design with less than 200ms response times.
- Architected ML pipeline using Pandas and Scikit-learn for content-based product similarity, enabling real-time recommendations.

Nifty Bank Stock Analysis Dashboard ↗ | PowerBI, Power Query Editor, Excel June 2025

- Constructed a robust data dashboard using Power BI to perform ETL (Extract, Transform, Load) on processes, cleansing 100+ data rows daily for accurate analysis.
- Produced drill-down analysis capabilities by Year, Quarter, and Month to provide dynamic business insights into market turnover, shares traded, and price movements.
- Utilized DAX to create 4 custom volatility measures (including volatility, correlation) for accurate financial analysis and tracking market trends.

Distress Detection ↗ | Python, TensorFlow Lite, Librosa, Firebase, CNN March 2025

- Implemented a background audio monitoring service using TensorFlow Lite for on-device inference, ensuring seamless operation without affecting device performance with 95.7% accuracy.
- Collected and processed a custom audio dataset of 5,000 samples, extracting Mel Frequency Cepstral Coefficients (MFCCs) to train and validate machine learning models.
- Engineered a multi-phase classification pipeline to filter and validate audio signals, minimizing false alarms for an effective emergency response system.

INTERNSHIP

Infosys Springboard ↗ August 2025 – October 2025

Intern

- Spearheaded the AI Tutor project as the project lead, directing a team in the development of both front-end and back-end functionalities and ensuring all project milestones were met.
- Devised the data pipeline to process AI logic output (syllabus parsing via Python libraries), resulting in the structured storage of essential topic data for the application's core functionality which serves over 50 users.
- Built a full-stack learning platform using React.js and Node.js, engineering the user-facing interfaces and robust API infrastructure, which reduced content loading time by 40% and provided real-time progress tracking.

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL.

Tools: VS Code, Git, Jupyter Notebook, Google Colab, PowerBI, Excel.

AI and ML: Tensorflow, Pandas, Numpy, Spacy, Scikit-Learn.

Generative AI: LangChain, Prompt Engineering(basics), LLM APIs

EXTRACURRICULAR

Bit By Bit Club ↗ Nov 2023 – Jul 2025

Social Media Team Lead

- Led the Social Media Team, managing strategy, execution, and coordination for club-wide digital initiatives.

Yophoria Innovation Challenge (AI Agent Engineer Track) Oct 2025

Finalist

- Developed an Autonomous AI Tutor Orchestrator using FastAPI and LangGraph for multi-tool orchestration and context-driven parameter extraction.

TCS CodeVita Season 13 (Global Programming Competition) 2025

- Secured a global rank of 7465 in Round 1 and 6124 in Round 2 among participants worldwide.

CERTIFICATIONS

- MERN Full Stack - Ethnus
- Artificial Intelligence Primer Certification - Infosys Springboard