

## Summary

Computer Science undergraduate with strong AI/ML and full-stack development expertise. Committed to using technical troubleshooting and technology to solve real-world problems. Have worked on several AI and web projects in highly collaborative team environments. I have a track record of being an adaptive and performing well by during peak periods.

## Skills

**Programming:** Python, C++, SQL, JavaScript  
**Web Development:** React, Tailwind, Django, Flask  
**AI/ML:** TensorFlow, PyTorch, scikit-learn, OpenCV, NLTK  
**Tools & Platforms:** Azure, Git, GitHub, Docker, Streamlit  
**Databases:** MySQL, PostgreSQL, MongoDB  
**Soft Skills:** Strategic thinking, Leadership, Flexibility

## Education

<b>VIT Bhopal University</b>	Bhopal, MP
B.Tech CSE (AIML) — CGPA: 8.83/10	2023 - 2027
<i>Coursework:</i> DSA, OOPs, ML, DL, Computer Vision	
<b>Ryan International School</b>	Delhi
Class 12 Science (Non-Medical) — 88.2%	2021
<b>Ryan International School</b>	Faridabad
Class 10 CBSE — 96%	2019

## Experience & Leadership


**GenAI Solution Developer Intern, ROVA (Botter Solutions Pvt Ltd)** May 2025 – Present  
At a fast-paced GenAI startup, engineered vision-parsing pipelines with LLaMA Parse, YOLOv11/v8 by navigating real-world constraints, debugging edge cases, and self-driven deep dives into emerging tools.

**Microsoft Learn Student Ambassador (Beta)** Jan 2024 – Present  
Delivered 3 Azure/AI workshops to 150+ students (92% satisfaction), delivered Git/GitHub, ML tutorials.


**General Secretary, Hindi Club** Jul 2024 – Present  
Created UTR verification & QR systems reducing processing time by 70% across 1,500+ transactions and 1000+ attendees

**Student Coordinator, SPACEVITA** Jan 2024 – Present  
Led event coordination for a 300+ attendee university event featuring the Former ISRO Director, documentary.


## Projects

**Multimodal Speech Emotion Recognition | Deep Learning**   
*Bi-LSTM, Transformers, CNNs, RNNs* June 2025 - Present


- Built a multimodal deep learning framework aimed at enhancing student engagement and actionable insights in virtual classrooms. The system integrates Bi-LSTM, CNN, and Transformer-based architectures to effectively extract and analyze emotional cues—acoustic, semantic, and linguistic—from both voice and video data. Leveraged the RAVDESS and CREMA-D datasets.


**Document Approval System | Software Development**   
*React, CSS, Firebase* June 2025 – July 2025

- Built a platform to streamline the university's document approval process by enabling online submission, tracking, and feedback—cutting approval time from days to hours and eliminating repeated physical visits.

**VITAL-AI | Full-Stack**   
*Machine Learning, Python, React, TensorFlow, Flask* Feb 2025 - Mar 2025



- Developed a comprehensive platform during a HackByte 3.0 at IIITDM Jabalpur that combines daily health monitoring (Google Fit sync, water and fasting trackers) with real-time disease risk prediction using Random Forest models.
- Designed intuitive UI dashboards and Flask APIs to visualize health trends, flag risks, and recommend doctor visits based on combined vitals and diagnostic results.

**Advanced Parkinson's Detection via Speech Analysis | Artificial Intelligence**   
*LSTM Neural Networks, Python, GRUs, GAN* Jan 2025 - Feb 2025

- Engineered a Bi-LSTM model to detect early Parkinson's disease from speech, achieving 93% average accuracy with strong F1-score and precision on benchmarked datasets(with 195 entries).
- Research paper and results submitted to *Elsevier's AI in Medicine* journal (Scopus indexed) for publication. 

## Achievements & Competitions



### Competitive Programming


- CodeChef: **1599-rated** with consistent monthly contest participation. 
- LeetCode: Solved **200+** problems across DSA domains. 
- Strong foundation in algorithms and problem-solving.

### Hackathons & Competitions

- Bank of Baroda Hackathon: **Top 20** among 5,000+ participants with AI Financial Advisory solution.
- Amazon Sambhav Hackathon: **Top 5%** - Advanced to Prototype Round with product listing platform.
- ACWOC25 (Open Source): **3rd place** among 600+ participants for code quality and innovation.

## Certifications

Applied ML in Python (University of Michigan)   
Android Club Winter of Code 

Google Code-in 2019   
Google Code-in 2018 