Pranav Chandrabhatla

9182446590 | pranavq50@gmail.com | https://linkedin.com/in/pranav-chandrabhatla-4b7673280/ | Visakhapatnam, Andhra Pradesh

SUMMARY

- Computer Science undergraduate with a 9.2/10 CGPA and 100% merit scholarship, experienced in building real-time fraud detection systems using FastAPI, TensorFlow, and Docker. Strong foundation in scalable backend systems and machine learning, complemented by leadership experience mentoring 200+ students in core technical subjects. Eager to contribute to AI/ML and software engineering roles with a focus on high-impact problem-solving.

EDUCATION

GITAM Deemed to be University — **Visakhapatnam**

B.Tech in Computer Science — *Graduation Date: May 2027*

- *CGPA: **9.2 / 10***
- *Awarded **100% Merit Scholarship** (Top 15 rank in entrance exam)*

Class XII — *Graduation Date: May 2023*

Class X — *Graduation Date: May 2021*

PROJECT EXPERIENCE

Real-Time Credit Card Fraud Detection System

An ML pipeline for real time fraud detection

- Designed an **end-to-end ML pipeline** for fraud detection, addressing severe class imbalance.
- Benchmarked **Neural Network vs Logistic Regression**, optimizing thresholds to achieve **F1-score: 0.81**.
- Deployed model via **FastAPI** and implemented **socket-based live transaction simulation** for real-time detection.
- Improved robustness with **cross-validation and testing**, boosting accuracy by **15%**.
- **Stack**: Python, TensorFlow/Keras, FastAPI, Scikit-learn, Pandas, NumPy, Docker, Git | GitHub Repo

SKILLS & INTERESTS

Skills: **Languages:** Python (Proficient), Java (Intermediate), C (Intermediate), SQL (Intermediate);
Libraries/Frameworks: TensorFlow, Keras, Flask, Scikit-learn, Pandas, NumPy;
Core Skills: Data Structures & Algorithms, Machine Learning, API Development, Problem-Solving, Critical Thinking

Interests: Quantitative analysis, Data science, Software engineering, Mentoring, Finance

Relevant Coursework: Data Structures & Algorithms, Probability & Statistics, Operating Systems, Database Management Systems, Machine Learning, Computer Networks

WORK EXPERIENCE

Chitti — **Visakhapatnam**

Tutor & Content Creator — *Feb 2025 - Present*

- Guided **200+ students** in mastering core CS subjects, resulting in measurable improvements in **academic performance and analytical thinking**.
- Created and taught **comprehensive DSA, Operations Research, Probability & Statistics, and OS modules**, blending theory with practical problem-solving.
- Produced **simplified, high-quality video lectures** that made advanced topics accessible, reflecting strong communication skills.