Aditya Choudhary

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Education

Vellore Institute of Technology — Bhopal, India
Bachelor of Technology in Computer Science and Engineering - CGPA: 8.60 — *Expected May 2025*

Krishna Vidhya Mandir School — Alwar, India
Higher Secondary - 92.20% — *July 2021*

Experience

Coding Studio — **March 2022 – September 2022**
Entrepreneurship
- Worked as a marketing member with the position of Entrepreneur, increasing brand awareness by 25%
- Generated 30+ new referrals through targeted marketing strategies.

Chegg — **April 2022 – May 2024**
Remote Tutor
- Resolved 300+ queries on Chegg Remote, achieving a 95% student comprehension rate and enhancing academic success.
- Managed 300+ student inquiries with prompt, professional responses to ensure high engagement and effective support.

Projects

Virtual Mouse | *Gesture Recognition and Voice Assistant* | GitHub Link — **December 2024**
- Developed a gesture-based human-computer interaction system using Python 3.8.5, enabling mouse and system control through hand gestures and voice commands..
- Implemented functionalities including cursor movement, click operations, drag and drop, volume/brightness control, and voice-activated commands for enhanced accessibility.
- Leveraged libraries such as PyAudio and pywin32 for integrating voice recognition and gesture analysis capabilities.

Resource-Tracker | *AWS, Linux, Python* | GitHub Link — **April 2024**
- Engineered an automated script to monitor and report on AWS resources including S3 buckets, EC2 instances, Lambda functions, and IAM users.
- Optimized data collection and analysis processes, providing real-time insights into AWS resource usage.

Home Security With Facial Recognition | *Android Studio, Flutter, Dart* | GitHub Link — **March 2024**
- Developed home security system using AI-based facial recognition, reducing unauthorized access by 85%.
- Processed camera video with Python script, achieving real-time notifications via Firebase FCM within 2 seconds of detection.

Technical Skills

Languages: Python, Java, SQL, Object Oriented.
Framework/ Dev. Tools: MySQL, MySQL WorkBench, Amazon Web Services, VS Code, Tableau, MS Excel.
Core Skills: DSA, DBMS, Web Scraping, Data Cleaning, Data Visualisation, Data Exploration, ETL, Data Warehousing.

Leadership

Blockchain Club — **July 2023 – June 2024**
Financial Head — *VIT Bhopal University*
- Directed financial planning and resource management, optimizing expenditures and securing sponsorships, resulting in a 15% increase in funds.
- Managed financial records and budgets, ensuring accurate tracking and efficient fund utilization, achieving a 20% increase in financial transparency.

Achievements and Certifications

- Coding Studio (March 22) – CodeKaze (Secured All India Rank 222).
- Accomplished Google Learn To Earn Challenge, Enhanced SEO and analytics expertise, achieving a 20% improvement in website conversion rates and a 15% reduction in bounce rate.
- Elite Certificate in the NPTEL Cloud Computing Course from IIT Kharagpur.
- Completed Certification for Applied Machine Learning in Python.
- Completed Certification in Salesforce Certified AI Associate.