Samarth Khandelwal

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LinkedIn- http://www.linkedin.com/in/samarth-khandelwal-bba65228a

Github- https://github.com/samarth96k

Professional Summary:

A results-driven Computer Science student (9.39 CGPA) passionate about translating complex challenges into elegant software. Experienced in creating machine learning models, building data-driven web applications, and analyzing data with Python. A background in competitive debate complements strong technical abilities with the skill to articulate complex ideas clearly and persuasively.

SKILLS

- **Programming Languages**: Python, C++, JavaScript, Java
- **Machine Learning:** Experience in developing Machine Learning projects using YOLOv5, OpenCV, Transformers.
- **Web Development:** HTML, CSS, JavaScript, Node.js, Tailwind CSS, Full Stack.
- **Database:** Oracle SQL, MySQL.
- **Other:** Git, OpenCV, Postman, Python APIs, VS Code IDE, IntelliJ Idea
- **Core Subjects:** *Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networking, OOPs.*
- **Data Science:** Basic experience with pandas, numpy, seaborn, scikit-learn data pre-processing, data visualisation.
- ***Communication & Public Speaking:** Proven ability to articulate ideas effectively, demonstrated by winning top positions in Zonal and Inter-Zonal Debate & Declamation competitions.*

EDUCATION

- **Bachelor of Technology (B.Tech)**   **CGPA:9.39**
  Computer Science Engineering | VIT Bhopal University | 2023-2027
- **Senior Secondary School Examination**   **93%**
  Grade 12, Adarsh World School, New Delhi(C.B.S.E.) | April 2023
- **Secondary School Examination**   **97.4%**
  Grade 10, Adarsh World School, New Delhi (C.B.S.E.) **|** April 2021

PROJECTS & EXPERIENCE

- **Driver Drowsiness Detection Project:** Engineered real-time drowsiness detection system with accuracy of 94% using **ResNet-18**, **OpenCV**, and **PyTorch**.
- **Indian States Puzzle:** The application challenges users to identify and locate all 28 Indian states. Built interactive geography quiz featuring all 28 states + 8 UTs with real-time scoring system.

- **ADHD and Mental Stress Monitoring Chrome Extension -** Machine Learning and Chrome APIs (In Progress).
- Led organising committee for 20+ tech events, exhibitions and Annual Function.(2017-2023).
- **Attendance Monitoring in Large Lecture Halls** using Machine Learning : In Progress

ACHIEVEMENTS & CERTIFICATIONS

- Completed 51 days of Coding Challenge with 100% daily consistency. (DSA) (Posted on LinkedIn).
- Cleared Smart India Hackathon'24 rounds 1 and 2, and got into top 50 to progress to round 3.
- Participated in the Health Hackathon organized by VIT Bhopal University and Johns Hopkins University, demonstrating strong teamwork, problem-solving skills, and innovation in a competitive setting.
- Developed a complex SQL database project for a university assignment.
- Certifications:
  - Bits and Bytes of Computer Networking (**Google**)
  - **Data Science using Python** (IAMNEO)
  - Introduction to Machine Learning and Artificial Intelligence (Vityarthi)
  - Introduction to Problem Solving (Vityarthi)
  - Gen AI using Watsonx (IBM)
  - **Introduction to Machine Learning** (NPTEL)