MAYANK SETH

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Education

VIT Bhopal University	CGPA: 9.39 / 10.0	Sep 2022 – Present
B.Tech in Computer Science and Engineering		
S S K Lal A Mem Bal Vidya Mandir Jalaun UP	Percentage: 94.8 %	Jul 2021
Class XII	CBSE		
S S K Lal A Mem Bal Vidya Mandir Jalaun UP	Percentage: 90.4 %	May 2019
Class X	CBSE		

Technical Skills

Programming Languages: Java, Python, SQL, HTML, CSS, JavaScript

Analytics & ML: Machine Learning, Predictive Modeling, Data Analytics, Scikit-learn, OpenCV, YOLO, Matplotlib

Databases: MySQL, Firebase, Database Design

Tools & Platforms: Git, GitHub, Android Studio, Jupyter Notebook, Google Colab

Technical Projects

MindTunes : An Advanced Cognitive Behavioral Therapy Model | Machine Learning — Aug 2024 - Apr 2025

- Developed a machine learning model that evaluates student mental well-being using behavioral and lifestyle data, offering insights into correlations between daily routines and psychological health.
- Delivered personalized feedback on sleep patterns, academic productivity, and social interaction metrics, contributing to data-driven support for student wellness in academic settings.
- **Tech Stack:** Python, Ensemble Learning (Bagging), Scikit-learn, Matplotlib

Detecto : Real-Time Object Detection System | Machine Learning — Jan 2024 - Mar 2024

- Created a computer vision system that detects and classifies real-world objects from live camera feeds, supporting automation and accessibility in dynamic environments.
- Showcased real-time object localization and recognition using deep learning, applying advanced image processing techniques in practical scenarios like surveillance and robotics.
- **Tech Stack:** Python, YOLO, OpenCV, TensorFlow

Alumni Connect Portal | Android Application — Dec 2024 - Jan 2025

- Developed a mobile application allowing alumni to manage professional profiles and enabling students to connect with alumni for guidance, networking, and career exploration.
- Integrated real-time database connectivity and authentication to ensure secure access, reliable data storage, and seamless interaction across user roles within the app.
- **Tech Stack:** Android Studio, Firebase Realtime Database, Firebase Auth, Java

Extracurricular Activities

President | PI Mathematics Association | VIT Bhopal University — 2024 - 2025

- Led and managed the PI Mathematics Association, organizing exam prep sessions, teaching core concepts, and conducting workshops to enhance mathematical thinking for students.

Student Coordinator | Cognitive Mind Fitness Club | VIT Bhopal University — 2022 - 2023

- Coordinated and executed events focused on student mental well-being, promoting awareness, relaxation activities, and peer support sessions within the university.

Languages

- English (Professional), Hindi (Native)

Interests

- Logic Puzzles Solving, Strategic & Competitive Gaming