

# MAYANK SETH

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## Education

VIT Bhopal University	CGPA: 9.40 / 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