

Madhav Mahajan

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Education

Thapar Institute of Technology and Engineering
B.E in Computer Engineering (CGPA: 8.53)

Expected June 2026

HOLY HEART PRESIDENCY SCHOOL
10 +2 Non - Medical (Note: 93.4/100)

Passed - 2022

HOLY HEART PRESIDENCY SCHOOL
10 (Note: 92.8/100)

Passed - 2020

Projects

Software Fault Prediction System | Python

- Leading the development of a machine learning-based system for predicting software faults.
- Designing and implementing an intuitive graphical user interface to enhance user experience.
- Aiming to significantly improve software reliability and maintenance by enabling early fault detection.

Live Object Detection System | Python, Open CV

- Developed a real-time object detection system utilizing advanced machine learning techniques.
- Integrated the solution with live video feeds to accurately identify and track objects.

Freight Logistics Database | SQL

- Led a team in developing a relational database management system tailored for a logistics company specializing in freight operations.
- Utilized Oracle SQL to design tables capturing detailed shipment, vehicle, employee, source, destination, product, and warehouse data.
- Implemented PL/SQL automation for crew and vehicle assignment, employing cursors, triggers, and procedures to dynamically allocate resources and streamline logistics workflows.

Extracurricular experience

SATURNALIA

Sept 2023 – Present

HEAD OF TECHNICAL DEPARTMENT

Thapar Institute of Technology and Engineering

- Headed the technical team of in the Biggest Techno-culture event of Thapar Institute.

ALUMNI RELATION CELL

Jan 2024 – Present

LEAD OF TECHNICAL and MANAGEMENT TEAM

Thapar Institute of Technology and Engineering

- Designed engaging user interfaces, T-shirt designs, posters, and souvenirs to foster alumni connections.

Technical Skills

Programming Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML, CSS

Development Frameworks: React.js, Express.js, jQuery, Bootstrap, Node.js

Developer Tools: Git, VS Code, PyCharm, Jupyter Notebook, PostGres

Excel in: Data structures, Algorithms, Back-end technologies, Machine learning, Object Oriented Programming

Soft Skills

Team Collaboration, Creativity, Adaptability, Communication, Initiative, Ownership, Curiosity, Open-mindedness, Positive attitude, Problem-solving.