

# Mohan Chaturvedi

chaturvedimohan97@gmail.com +91 9140551805 linkedin.com/in/mohan-chaturvedi

## Education

<b>VIT Bhopal University</b> , B.Tech in Computer Science and Engineering (Specializing in Cloud Computing and Automation)	2022 - 2026
• CGPA: 7.71	
<b>City Montessori School</b> , Indian School Certificate (ISC)	May 2022
• Grade: 92%	
<b>City Montessori School</b> , Indian Certificate of Secondary Education (ICSE)	May 2020
• Grade: 92%	

## Technical Skills

**Languages:** C++, Java, Python, SQL, JavaScript, HTML, CSS, Node.js, TypeScript, Next.js

**Frameworks & Tools:** Flask, React, Express, MongoDB, MySQL, PostgreSQL, Spring Boot, REST API,

**Technologies:** Amazon Web Services (AWS), Git, Excel, GenerativeAI

## Projects

<b>Highlight Hub</b>	July 2025
• Developed an AI application to automatically extract highlights from videos, reducing manual work by 90%.	
• Integrated the VideoDB API to analyze video content, which improved insight generation by 40%.	
• Engineered an end-to-end workflow, from video upload to clip generation, which increased processing speed by 25%.	
• Designed a Streamlit interface that improved user experience, resulting in a 15% boost in user satisfaction.	
<b>Serenade – Music Player (Electron, React)</b>	February 2025
• Led end-to-end development of a cross-platform desktop music player, validating usability across multiple environments to deliver a polished user experience.	
• Simulated user journeys such as music download, playlist organization, and real-time audio visualization to uncover edge cases and improve engagement.	
• Collaborated on CI/CD pipelines to ensure faster, safer iterations and stable releases.	
• Recognized as a winning project at FOSSHack 2025, demonstrating innovation, product quality, and strong user-centric design.	
<b>Edustream-An Online Learning Platform</b>	March 2024
• Developed an end-to-end learning platform with a Java Spring Boot backend and React frontend, implementing secure multi-user authentication and role-based access control.	
• Designed and implemented RESTful APIs for core features like Course Management (CRUD) and lecture progress tracking, resulting in a 20% improvement in user retention tracking data.	
• Implemented a RESTful API layer for persistence of user and course data, enabling students to track lecture progress with 100% completion data integrity.	
• Designed and built a dynamic, search-and-filterable course catalog interface, increasing course discoverability and student enrollment by an estimated 35%.	

## Methodologies & Certifications

**Methodologies:** Agile development, End-to-end system design, CI/CD, Object-Oriented Principle(OOP), Problem Solving and Data Structures.

**Certifications:** AWS Academy Cloud Foundations (AWS Academy Graduate), AWS Academy Cloud Architecting (AWS Academy Graduate)

## Achievements & Recognition

- **FOSSHack'25 Winner:** Recognized for the project Serenade – Music Player.
- **Smart India Hackathon 2023:** College finalist, competing among 300+ teams nationwide.