

# Mehul Gupta

+91-79773-77914 | [mehulgupta2409@gmail.com](mailto:mehulgupta2409@gmail.com)

[LinkedIn](#) | [Github](#) | [LeetCode](#) | [Website](#)

## OBJECTIVE

Seeking a dynamic tech role to gain practical experience in Tech Field while actively exploring the fields of AI-ML. Proficient in C++ and Python, with a strong passion for building intelligent, scalable, and impactful solutions. Eager to deepen expertise in modern AI-driven technologies and contribute to real-world innovations.

## EDUCATION

- IIT Dharwad** Dec 2022 – Apr 2026  
B.Tech Mechanical Engineering  
◦ GPA: 7.83 / 10.00 | Former Class Representative (CR)  
Dharwad, Karnataka
- St. Rocks School** 2019 – 2021  
Higher Secondary Education (Grade: 91.8%)  
Mumbai, Maharashtra
- Sanskar English High School** Up to 2019  
Secondary Education (Grade: 87.4%)  
Mumbai, Maharashtra

## PROJECTS

- 1. YtChat | Conversational AI Agent for YouTube Videos** [Live Preview](#) [Github](#) 2025  
Tools: Gemini 1.5 Flash, LangChain, Node.js, Express.js, React, TypeScript, PostgreSQL, NeonDB  
◦ Built an AI agent using Gemini 1.5 Flash with LangChain ReAct architecture for YouTube video conversations.  
◦ Developed REST APIs with Node.js and React frontend; automated transcript scraping via BrightData.  
◦ Stored and searched embeddings in PostgreSQL (NeonDB) for context-aware responses.
- 2. AI Resume Analyzer (Full-Stack Application)** [Github](#) 2025  
Tools: Python, Streamlit, MySQL, NLTK, SpaCy, Plotly, PyMySQL  
◦ Developed an AI-powered resume analyzer using NLP (NLTK, SpaCy) for text extraction and NER-based parsing.  
◦ Built recruiter dashboard with Plotly visualizations and MySQL backend for candidate insights.  
◦ Integrated recommendation engine for personalized skill enhancement and career growth.
- 3. Airbnb Clone | Full-Stack Web App** [Github](#) 2025  
Tools: Node.js, Express.js, MongoDB, EJS, Cloudinary, Passport.js, Bootstrap  
◦ Developed a full-stack Airbnb clone allowing users to list, book, and review rental properties.  
◦ Integrated secure user authentication, image uploads, and dynamic routing for a smooth user experience.  
◦ Designed and implemented MongoDB schemas for users, listings, and reviews.  
◦ Added a review system with nested population to display reviewer and owner details.

## SKILLS

- Programming Languages:** C , C++ (Object-Oriented Programming) , Python
- Web Technologies:** HTML , CSS , JavaScript , React.js , Node.js , Express.js , MongoDB , MySQL , Flask , Tailwind CSS
- Data Science & Machine Learning:** NumPy , Pandas , Scikit-Learn , Seaborn , Matplotlib , Regression , Classification , TensorFlow , Keras , Artificial Neural Networks (ANN) , Convolutional Neural Networks (CNN) , Recurrent Neural Networks (RNN) , LSTM , Computer Vision , Deep Learning
- Specialized Areas:** Data Structures and Algorithms (DSA) , Web Development , Artificial Intelligence , Operating Systems (OS) , Database Management Systems (DBMS)
- Mathematics & Tools:** Linear Algebra , Probability , Statistics , Vectors and Matrices , Differential Calculus , Data Analysis
- Software & Tools:** VS Code , Git , GitHub , MATLAB , Postman , PyCharm , MySQL Workbench , Jupyter Notebook , Docker , LaTeX
- Relevant Courses:** Neural Networks and Deep Learning , Computer Architecture , Data Analysis

## CERTIFICATIONS / ACHIEVEMENTS

- Machine learning and Deep learning** June 2024
- College Competition** March 2024

## ADDITIONAL INFORMATION

**Languages:** English, Hindi

**Interests:** Gym, Chess, Table Tennis