

Mehul Gupta

+91-79773-77914 | 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
Dharwad, Karnataka
B.Tech Mechanical Engineering
 - GPA: 7.83 / 10.00 | Former Class Representative (CR)
- **St. Rocks School** 2019 – 2021
Mumbai, Maharashtra
Higher Secondary Education (Grade: 91.8%)
- **Sanskar English High School** Up to 2019
Mumbai, Maharashtra
Secondary Education (Grade: 87.4%)

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