Mehul Gupta

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 LinkedIn | Github | LeetCode

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 (Major) + CSE (Minor) Dharwad, Karnataka
  ◦ GPA: 7.83 / 10.00 | Former Class Representative (CR)

- **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