# Mohit Kumar Jain

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## EDUCATION

**Gandhi Institute of Technology and Management, Vizag**   September 2022 - April 2026
*B.Tech. - Computer Science and Engineering (Artificial Intelligence-Machine Learning)*   ***CGPA: 9.11***

## EXPERIENCE

**Indian Institute of Technology,Guwahati [Link]**   May 2025 – June 2025
*Machine Learning and Signal processing intern*   *Guwahati*
- Developed real-time pothole detection using YOLOv5/YOLOv8 on benchmark datasets. Integrated model with image/video input pipeline for live inference.
- Worked on classification models for emotion detection using EEG signals. Trained and analyzed LSTM, DNN, and CNN+LSTM networks.

**ApexPlanet Private Limited [Link]**   May 2025 – June 2025
*Web Development Frontend Intern*   *Vizag-Online*
- Mastered frontend technologies by building projects ranging from basic to complex, focusing on logical planning and efficient coding practices.
- Contributed to responsive design implementation, ensuring seamless user experiences across devices.

## PROJECTS

**Code Mentor AI: A Coding(DSA) Instructor Chatbot**   *GitHub — Live Site*
*HTML, CSS, Javascript, Node js, Gemini API*

- Developed an interactive chatbot for learning DSA with features like dashboard, history tracking, tutorials, and dark/light mode toggling. Built a responsive UI with chat history and Node.js backend.
- Integrated top DSA resources for learning and redirected users to platforms like LeetCode for practice. Enhanced usability with customizable font sizes (14px–18px) and responsive UI design.

**Pothole Detection Using Deep Learning**   *GitHub — Live Site*
*Yolov8, Opencv, Python, Tensorflow*

- Built YOLO-based model for detecting potholes in real-time video feeds. Deployed using Flask backend and OpenCV image processing.
- Used Google Colab and Kaggle for dataset sourcing and preprocessing. Applied Python libraries like OpenCV for image processing and implemented YOLOv8 for real-time pothole detection. Documented the workflow in Overleaf LaTeX, providing clear step-by-step details of preprocessing, training, and evaluation.

**Veenas Boutique Store Website**   *GitHub — Live Site*
*HTML, CSS, Javascript*

- Developed an e-commerce website for a boutique to showcase products online, featuring a product catalog and intuitive navigation.
- Designed a responsive UI using web technologies, ensuring seamless user experience across devices and screen sizes.

## SKILLS

**Expertise**: Data Structures & Algorithms, Front End Development, Machine Learning
**Languages**: C, C++, SQL, HTML, CSS, Python, Javascript
**Frameworks & Technologies**: Machine Learning, TensorFlow, PyTorch, Scikit-learn, CNNs, RNNs, LSTMs, Pandas
**Developer Tools**: VS Code, Git, GitHub, MySQL, AWS
**Professional Skills**: Strong problem-solving skills, Attention to detail, Teamwork, Communication

## CERTIFICATIONS & ACHIEVEMENTS

- TensorFlow for AI, ML, and DL - *Coursera* [Link]
- Generative AI Internship - *Brainovision* [Link]
- Software Testing - *NPTEL* [Link]
- AI-ML Cohort 12 - *Eduskill* [Link]