Mayank Mehra

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OBJECTIVES

I am interested in machine learning and artificial intelligence. I want to gain more knowledge about algorithms so that I can use them daily to support the logistics of healthcare, education, etc. My primary goal is to assist practicing computer science professionals who are conducting research or working on initiatives related to these areas. I want to work on various problem scenarios and learn new things about artificial intelligence that I may use daily.

AREAS OF EXPERTISE

- **Web Development**: Full Stack Web Development
- **Data Science & Analytics**: Python, Excel, Machine Learning, Artificial Intelligence
- **Soft Skills:-** Communication, Leadership, Teamwork
- **Design Tools**: Figma, Canva

Internship

Emami Ltd   **Kolkata, India**
ML Intern   *June 2024–August 2024*

- Completed an internship focusing on web scraping and sentiment analysis for selected Emami products.
- Worked on various sub-projects involving matrices & eigenvectors, regression, clustering, and convolutional neural networks (CNNs).
- Gained hands-on experience in these areas, contributing to data-driven insights and product analysis.

Altair Ltd   **Chennai, India**
Data Science Intern,   *April 2024–June 2024*

- Gain expertise in data visualisation, predictive modelling, and machine learning by completing the Altair Data Science Master Internship. Achieved high marks in the final assessment.
- Demonstrated a strong ability to apply advanced data science concepts to real-world challenges.
- I gain the practical skills to contribute effectively to data-driven projects by leveraging cutting-edge tools and techniques.

WebStackAcademy   **Chennai, India**
Full Stack Web Development Intern,   *Feb 2024–April 2024*

- Successful development and deployment of Homely Hub, a MERN stack hotel booking application, achieving a mark of 90% for the work placement project.
- It was developed and implemented as a responsive UI using React.js to ensure smooth user navigation, using Node.js and Express to develop robust backend functionality for efficient booking processes and database operations.

EDUCATION

SRM Institute of Science & Technology   *June 2022–May 2025*
Computer Applications (7.98)

PROJECTS

CNN-based classifier for cats and dogs: https://github.com/MayankMehra7/CNN-Cat-and-Dog
CNN sorts cats and dogs in pictures. **Tech Stack:** Python, TensorFlow, Keras, OpenCV
Virtual Lawyer Chatbot: https://github.com/MayankMehra7/Virtual-Lawyer-Bot
Built a conversational AI chatbot leveraging NLP techniques and legal datasets to answer common legal queries, simulating a virtual legal assistant for public legal awareness. **Tech Stack:** Python, Hugging Face Transformers, Flask, React, Langchain
Real-Time Sign Language Interpreter: https://github.com/MayankMehra7/Sign-language
Designed a real-time sign language to text system using CNN and XGBoost to translate hand gestures into English, enhancing communication accessibility for the hearing-impaired. **Tech Stack:** Python, OpenCV, CNN, XGBoost

CERTIFICATIONS AND ACHIEVEMENTS.

- I attended and participated in more than five Model United Nations conferences, having won more than three of them.
- Multiple certifications in machine learning, data analytics, and software engineering, along with data structures and Algorithms
- I attended and participated in more than four hackathons.
- I was selected for the international hackathon called the 2023 SATU SMART 5th International Innovation Competition.
- I am serving as the head of technical for Aaruush, a national-level tech fest.