MOHAN R

Bengaluru, India

📱 +91 8904090318　✉ mohanr2883@gmail.com　in mohanr018　○ Mohan18R　🌐 Portfolio

Professional Summary

A passionate and driven Computer Science student specializing in AI & ML with hands-on experience in machine learning projects and software development. Skilled in problem solving, collaboration, and leveraging cutting-edge technologies to deliver innovative solutions.

Projects

Virtual Interviewer | *Python, Google Gemini, Streamlit, SpaCy, Hugging Face Transformers* ○

- Developed an ATS compliance scorer using SpaCy for keyword extraction and weighted scoring to provide actionable feedback.
- Utilized the Google Gemini API to generate personalized interview Q&A tailored to individual resumes.
- Created a virtual interview practice tool integrating SpeechRecognition for voice analysis and Hugging Face Transformers for sentiment detection.

NewsNow Dashboard | *React, Axios, NewsAPI, OpenWeatherAPI* ○

- Built a responsive React web application integrating real-time news and weather updates with customizable filters.
- Optimized API calls with Axios to efficiently fetch data from NewsAPI and OpenWeatherAPI.
- Designed an interactive UI for seamless navigation through trending news and articles.

Virtual Assistant with Gesture Control | *Python, OpenCV, MediaPipe, SpeechRecognition, PyAutoGUI, pyttsx3* ○

- Developed a voice-controlled AI assistant integrating SpeechRecognition and pyttsx3 for natural language interactions.
- Implemented gesture-based control using OpenCV and MediaPipe for intuitive system navigation and media management.
- Automated system tasks with PyAutoGUI, enabling hands-free operation through combined voice and gesture commands.

Experience

Compsoft Technologies　　　　　　　　　　　　　　　　　　　　　　　　**Oct 2023 – Dec 2023**
Machine Learning Intern　　　　　　　　　　　　　　　　　　　　　　　　　　*Bengaluru, India*

- Developed an image-based license plate recognition model using Python, OpenCV, and EasyOCR to extract vehicle registration details.
- Optimized image processing techniques to enhance detection accuracy.
- Collaborated with team members to adapt and deliver the project under evolving requirements.

Technical Skills

- **Languages:** Python, C, C++, HTML, CSS, JavaScript, SQL
- **Frameworks/Libraries:** NumPy, Pandas, Matplotlib, Scikit-learn, React, Node.js, Express.js, Streamlit
- **Tools & Technologies:** VS Code, GitHub, Git, Jupyter Notebook, Google Colab, PyCharm
- **Other Skills:** Data Structures & Algorithms, Problem-Solving, Communication, Teamwork

Certifications

- 100 Days of Code: The Python Bootcamp - **Udemy**
- The Complete Web Development Bootcamp - **Udemy**
- Introduction to SQL - **University of Michigan**

Education

Don Bosco Institute of Technology　　　　　　　　　　　　　　　　　　**Dec 2021 – May 2025**
Bachelor of Engineering in CSE [AI & ML]　　　　　　　　　　　　　　　　　*CGPA: 8.77*