

ROHIT JANGID

+91-6378598760 rohitjangid2704@gmail.com LinkedIn : rohitjangid2704 LeetCode GitHub

SKILLS SUMMARY

Programming Languages: Java, Python, JavaScript

Libraries and Tools: ReactJS, Django, FastAPI, NVIDIA Stack, RestAPI, MySQL, Git, AWS

Core Competencies: Data Structures, Algorithms, OOPS, Machine Learning

WORK EXPERIENCE

Software Engineer

MSBC Group, Ahmedabad, Gujarat, India

October 2024 - Present

- Spearheaded the development of customer-centric avatar chatbots by integrating advanced AI/ML models to enable real-time NLP-based interactions. Managed full-stack development workflows, including frontend, backend, and database systems, to deliver scalable and user-focused solutions.
- Leveraged cutting-edge tools like **NVIDIA Omniverse** and **NVIDIA NeMo** to enhance performance and scalability. Applied optimization techniques such as transfer learning and fine-tuning to deploy production-ready AI models with superior efficiency.
- **Tech Stack:** Python, NVIDIA Stack, React.js, Three.js, FastAPI, Llama, GPT, BERT, Transformers, AWS.

Machine Learning Engineer Intern

ISRO - Indian Space Research Organisation , Ahmedabad, Gujarat, India

Jan 2024 - April 2024

- Enhanced maritime monitoring, boosting navigation safety and efficiency by **20%** in Indian waters.
- Developed a **GPT-based transformer deep learning solution** to accurately predict maritime vessel trajectories from incomplete AIS data.
- Addressed the challenges of incomplete and corrupted data, improved AIS data quality by **30%** and trajectory prediction reliability by **40%** using advanced pre-processing and custom **PCHIP algorithm**.
- **Tech Stack:** Python, MySQL, PyTorch, NumPy, Pandas, Matplotlib, Transformers, Data Pre-processing

Software Engineer Intern

Celebal Technologies, Jaipur, Rajasthan, India

June 2023 - August 2023

- Developed and deployed a scalable backend for a real estate platform using Node.js, implementing secure data handling and user authentication mechanisms to enhance system reliability and user trust.
- Actively participated in code reviews, decreasing bugs by 25% and enhancing code quality.
- **Tech Stack:** ReactJs, NodeJs, ExpressJs, REST APIs, MySQL, Google Auth

AWARDS AND ACHIEVEMENTS

- **1840+ contest rating** on LeetCode (**3 Star**), **6 Star** Rated on HackerRank [Link](#)
- Secured rank 867 in **Google Kickstart** Round H. [Link](#)
- **Served as the AI/ML Lead** at the Google Developer Student Club, spearheading initiatives within my college.
- Achieved Rank of 899 among 25,000+ participants in LeetCode Weekly 363.
- **All India Rank 1696 in META HackerCup** Qualification Round 2023.
- Solved **800+ questions** based on Data Structures and Algorithms on various Coding Platforms.
- Contributed to **SSoC'23 Face-X project** by implementing face mask detection using Artificial Neural Network [Link](#)

PROJECTS

LinkUp-A-Personal-Chat-App | ReactJs, NodeJs, MongoDB, ExpressJs, Socket.io, TailwindCSS

[GitHub/Live](#)

- Developed a **MERN stack** chat platform with real-time messaging, **Zustand**, **Socket.io**, **TailwindCSS**, **Daisy UI**
- Ensured secure **JWT-based authentication** and **robust error handling** on both server and client sides.

FullStack Employee Directory | Java, Spring Boot, Docker, React Redux, PostgreSQL

[GitHub/Live](#)

- Built an application with **Java (Spring Boot)**, **React Redux**, and **PostgreSQL**.
- Added comprehensive tests and used **Docker Compose** for service orchestration and in-memory databases for development.

Agricultural Crops Image Classification | Python, TensorFlow, Keras, CNN

[GitHub/Live](#)

- Formed a AI model using **TensorFlow** and **Keras** to classify 30 different agricultural crops from images.
- **Preprocessed** and augmented the image dataset for improved performance. Implemented a **CNN** architecture with convolutional, max pooling, and dense layers, **achieving 37% validation accuracy** on the multi-class classification task.

EDUCATION

Rajasthan Technical University, Kota

Bachelors Of Technology, Electronics and Communication CGPA : 8.4

Kota, Rajasthan, India

October, 2020 - June, 2024