Nehul Jain

Delhi, India | work.nehul@gmail.com | +91-9340995711

nehul.vercel.app | linkedin.com/in/whonehuljain | github.com/whonehuljain

Profile Summary

- Software engineer with expertise in **backend development**, **machine learning**, and **cloud technologies** (AWS, GCP).
- Proven expertise in building scalable **data pipelines**, developing **REST APIs**, and delivering innovative **software solutions**.
- Recognized for **technical innovation**, **problem-solving**, and collaboration in high-impact projects and **hackathons**.

Education

Noida Institute of Engineering and Technology
Bachelor of Technology - Computer Science, Minor degree: Cloud Computing

Work Experience

- **ML & Backend Intern**, *Upsurge Labs - Bengaluru, Karnataka, India*   Aug 2024 – Nov 2024
  (Remote Internship)
  - Took **Cosmo (cosmoflow.ai)** from **development to production** (internal beta), focusing on **autonomous web navigations** & **image elements detection** using multiple open-source models.
  - Built **data pipelines** & **LLM workflows** & deployed them seamlessly with Cosmo's **user interface**.
  - Developed **REST API integration** & **database CRUD microservice blocks** for **LemmeBuild (lemmebuild.com)**, a low-code PaaS platform.

Projects

- **F1nalyze** | *(Python, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook)* | *(Link)*→
  - Built a **predictive model** for Formula 1 driver positions using regression techniques, optimizing for minimal RMSE.
  - Conducted extensive **EDA**, **feature engineering**, & **model building** on race data, ranking 23rd among 76 participants and outperforming 95% of 188 submissions in a **Kaggle datathon**.

- **Babelfish.db** | *(Python, SQL, MongoDB, NLP, Langchain, Groq, Streamlit, Django)* | *(Link)*→
  - Developed a **natural language interface** that allows users to interact with databases through conversational queries.
  - Implemented **schema inference** & **query automation** algorithms that streamline complex query creation processes.

- **Medimate** | *(Python, Django, JavaScript, Numpy, Pandas, Scikit-learn, SERP api, WebRTC)* | *(Link)*→
  - Implemented **ML-based disease prediction** & **medicine availability features**.
  - Developed a AI health assistant chatbot capable of interacting in vernacular languages.

Research Experience

- **Co-authored a research paper**, *Heart-Attack Analysis and Prediction Using Python (Unpublished)* - Implemented ML models (Logistic Regression, Decision Tree, Random Forest, KNN) **achieving 91.8% accuracy and 0.92 AUC-ROC**
  - Applied advanced data preprocessing, feature engineering, and visualization techniques using pandas, NumPy, and seaborn

Awards & Achievements

- **First Prize Winner** *(Jugaad Hacks Hackathon - February 2024)* - **Led my team to victory** by building an AI-powered spoken language tool for immersive language learning and practicing and winning 1st prize .
- **Runner Up** *(Data-Vizard Hackathon - March 2024)* - Awarded 2nd place among 40+ teams in Data-Vizard Competition at Synergy'24 in Delhi School of Economics for exemplary teamwork and **data-driven insights in data analytics and visualization**.
- **Top 5 Percentile of 100,000+ participants** *(Adobe GenSolve Hackathon - August 2024)* - Recognized for exceptional innovation and problem-solving skills, **clearing round one of the Adobe GenSolve Hackathon.**

Skills

- **Languages:** Python, Java, SQL, JavaScript, Dart, C#
- **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, CI/CD, GitHub Actions
- **Frameworks & Libraries:** Scikit-learn, Seaborn, Keras, OpenCV, LangChain, TensorFlow, PyTorch, Django, FastAPI, Flask, Flutter, React, Node.js, Express