Nehul Jain

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Profile Summary

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

Education

Noida Institute of Engineering and Technology, Gr. Noida, India
Bachelor of Technology - Computer Science, Minor: Cloud Computing

Skills

- **Languages:** Python, C++, GoLang, JavaScript, TypeScript, Dart, C#, Java, SQL
- **ML/DL:** Scikit-learn, Seaborn, OpenCV, LangChain, TensorFlow, PyTorch
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), GCP, Docker, Kubernetes, CI/CD, GitHub Actions
- **Frameworks:** Django, FastAPI, Flask, Node.js, Express, React, Flutter

Work Experience

- **SDE Intern**, *Grafieks - Cork, County Cork, Ireland*   Feb 2025 – Present
  (Remote Internship)
  - Developing end-to-end features for Grafieks' BI platform in **GoLang**, including **calculated fields** and pivot heatmaps.
  - **Leading full-stack development from frontend to deployment**, optimizing data processing and performance.
- **ML & Backend Intern**, *Upsurge Labs - Bengaluru, Karnataka, India*   Aug 2024 – Nov 2024
  (Remote Internship)
  - Enhanced **Cosmo's (cosmoflow.ai)** web navigation and **ML workflows** while building **REST APIs** and **database CRUD microservices** for **LemmeBuild's** low-code platform.

Projects

- **F1nalyze** | *(Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook)* | *(Link)*→
  - Built a predictive model for Formula 1 driver positions using regression, with extensive **EDA and feature engineering**. Ranked 23rd among 76 participants, **outperforming 95% of 188 submissions** in a Kaggle datathon.
- **Adv. Library Management System** | *(Node.js, TypeScript, Express, PostgreSQL, Prisma, Zod, Render)* | *(Link)*→
  - Designed and implemented **RESTful APIs** for book management, borrowing, and fines with advanced analytics API endpoints. Integrated **PostgreSQL with Prisma** and **deployed on Render** with secure **authentication**.
- **BabelFish.DB** | *(Python, SQL, MongoDB, NLP, LangChain, Groq, Streamlit, Django)* | *(Link)*→
  - Developed a **natural language interface** for conversational database queries, implementing **schema inference and query automation** to simplify complex queries.
- **MediMate** | *(Python, Django, JavaScript, NumPy, Pandas, Scikit-learn, SERP API, WebRTC)* | *(Link)*→
  - Engineered **ML-based disease prediction**, **medicine availability tracking**, and a vernacular AI-powered health assistant chatbot.

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**.

Awards & Achievements

- **First Prize Winner** *(Jugaad Hacks Hackathon, Feb 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** for data-driven insights and exceptional visualization techniques.
- **Top 5%ile** *(Adobe GenSolve Hackathon, Aug 2024)*: Recognized for innovative problem-solving and clearing round 1.