

Nehul Jain

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Profile Summary

- Software engineer with expertise in **backend development**, **machine learning**, and **cloud & infra technologies** (AWS, K8s).
- 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:** GoLang, Python, C++, JavaScript, TypeScript, Dart, C#, Java, SQL
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), GCP, Docker, Kubernetes, CI/CD, GitHub Actions
- **ML/DL:** Scikit-learn, Seaborn, OpenCV, LangChain, TensorFlow, PyTorch
- **Frameworks:** Go kit, Echo, Django, FastAPI, Flask, Node.js, Express, React, Flutter

Work Experience

- **SDE Intern, Grafieks - Cork, County Cork, Ireland (Remote Internship)** Feb 2025 – Present
 - Developing end-to-end features for Grafieks' BI platform in **GoLang**, including **cloud runtime env.**, & **calculated fields**.
 - Built and deployed **Kubernetes-based infrastructure** for container orchestration, including **private registry setup** with TLS authentication and multi-node cluster configuration.
 - **Leading full-stack development from design to deployment**, managing cloud infrastructure, data processing pipelines, and DevOps automation.
- **ML & Backend Intern, Upsurge Labs - Bengaluru, Karnataka, India (Remote Internship)** Aug 2024 – Nov 2024
 - 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

- **F1analyze | (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.

Research Experience

- **Book Chapter Co-author, Hybrid Quantum-Classical Learning Architectures for 6G/7G Edge Intelligence, Springer (Jan, 2026)**
- **Book Chapter Co-author, Quantum Convolutional Neural Networks for Intelligent Spectrum Management in 6G/7G, Springer (Jan, 2026)**
- **Co-authored research paper, Heart-Attack Analysis and Prediction Using Python (Unpublished)**

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.