

# ROHAN DEY

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## Professional Experience:

**September 2025 - November 2025**

**Consultants Factory, (Remote)** - GRC auditor and Software Developer

- Created NLP based GRC process automation software from scratch making the workflow exponentially faster with minimal need for manual work and human intervention.
- Assessed compliance with ISO 27001:2022 standards.

**December 2025 - March 2026**

**Hivyr.ai - Daughter Company of "Ethical Den"**

- Created scalable deployment ready Retrieval Augmented Generation Systems and AI agents to automate manual document reading and data extraction tasks and data de-duplication of data, saving hours time alongside automating the process, end to end with minimal human interaction.
- Created local Agentic LLM workflow with Ollama, Langchain and Langgraph to run Natural Language Processing tasks with documents while maintaining data integrity.
- Trained Machine Learning and Deep Learning Models with Neural Networks from scratch.
- Worked as backend developer to create deployment ready fastapi service to

## Education:

- **Lions Calcutta Greater Vidya Mandir (High School) - 94.5%**
- **Meghnad Saha Institute of Technology (BTech in Computer Science Engineering) - 8.5 SGPA**

**Technical Skills:** Python, C, C++, Go, Bash

**ML/AI:** Statistical ML, Huggingface, Scikitlearn, NLP, Image Processing, CNN.

**Tools and Frameworks:** Numpy, Pandas, Matplotlib, Seaborn, Bash, ollama, langchain, Docker, LLM, Langchain

**Databases:** MongoDB, Vector Databases, ChromaDB, Milvus, SQL.

**Skills:** Prompt Engineering, Retrieval Augmented Generation, LLM, Context Engineering.

## Technical Projects:

- **(Group Project):** Seamless integration and Automation platform for schools to streamline the process of identifying national standards for schools and money request and sanction from the government with live updates and 24x7 chatbot support.
- Productivity application with GenAI based note taking and attention span tracking system based on facial recognition and face mapping.
- Satellite Image based forest cover prediction.
- Facial Recognition based automatic attendance system.

## Awards and Achievements:

- Smart India Hackathon 2024 Winner: Solved Ministry of Education Problem 1742; ranked top 0.3%
- Diversion - 2024 MongoDB Track Prize winner for making best use of MongoDB.
- Kshitij IIT KGP - 2023 Competitive Programming Contest Finalist.