RONIT KOCHAR

+91 8299313154 | Date of Birth: 18 Nov 2003 | [Email](#) | [LinkedIn](#) | [Github](#) | [Leetcode](#) | [Portfolio](#)

EXPERIENCE

AI Intern
May 2025 - July 2025

Tata Consultancy Services *Pune*

- Gained hands-on experience with **Generative AI**, **LangChain**, and various **LLMs** through practical projects, designing and deploying intelligent agents for **data generation**, **modification**, and **analysis**.
- Developed and integrated advanced tools like **Pinecone**, **React agents**, and **vectorstores**, building robust **backend** and **frontend** applications for real-time automation.
- Cultivated expertise in **prompt engineering**, **model evaluation**, and modern **AI frameworks**, fostering creative problem-solving and scalable agent systems.

Skills: LangChain, LLM, Azure Databricks, Chatbot Development, LangGraph, Data Pipelines

EDUCATION

Manipal Institute of Technology, Manipal
2022 - 2026

Bachelor of Technology in Data Science

City Montessori School, Lucknow
May 2020 - March 2022

High School Diploma, PCM & CS

St Francis College, Lucknow
Apr 2008 - March 2020

Middle School Diploma, PCM & CS

Relevant Coursework: Java, C, C++, Python, SQL, Data Structures and Algorithms

PROJECTS

DL Project on Image Rating Predictions
Github   Linkedin

Skills: Data Preprocessing, Deep Learning, Predictive Modeling, Deployment, System Design

- Built a **deep learning** system to **predict product image ratings** using **Amazon reviews**. Combined **DenseNet**, **ResNet**, and a custom **CNN** for feature extraction and regression. Preprocessed visual and textual data to align ratings with images. The best model enables **automated product evaluation** for e-commerce, and the pipeline is modular and scalable.

DataVerse Hub
Github   Linkedin

Skills: Next.js, LangChain, Cursor AI, VSCode, Python, ChatModels

- **DataVerse-Hub** is a **web-based platform** for accessible, interactive **data science**. Users can **generate**, **analyze**, and **modify** industry-specific datasets for learning and real-world use. Features include **comprehensive data generation**, a **Python backend**, **Next.js frontend**, and tools for **SQL review**, **error analysis**, and **real-time Q&A**. Designed for **education** and **experimentation**, it helps users build practical data skills.

CERTIFICATIONS

Core Java Concepts_Foundation   Big Data Integration and Processing   Big Data Modelling and Management Systems
Tableau Certified   Introduction to Big Data   Natural Language Processing in Tensorflow   Certified Data Scientist
Python Project for Data Science   Tools for Data Science   Python for Data Science and AI
HTML, CSS and Javascript for Web Developers   Core Java Made Easy
LangChain - Develop LLM powered applications with LangChain

SKILLS

Languages: HTML, CSS, Python, Java, SQL, Javascript(Basic)

Frameworks/Libraries: Tensorflow, Scikit-Learn, NumPy, Pandas, Streamlit, LangChain, LangGraph(Basic), python-dotenv, Fast API, Next.js(Basic)

Developer Tools: Git, Github, VSCode, Cursor AI, Mermaid Live, Pinecone VectorStore, OpenRouter AI, npm

Technical Skills: Full Stack Development, Machine Learning, Deep Learning, LLM

EXTRACURRICULAR

Vice President (Blitzkreig Dance Crew)   (2023-2025)