Nishant Deswal

Kaggle | Leetcode | Linkedin | Portfolio

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📞 : *7015654300*

EXPERIENCE

Data Engineer
Ambitio

Tech Stack: *Playwright, OpenAI, Python, EC2, LLMs* — *Oct 2024 – Present*

- Architected and implemented scalable ETL pipelines using **Playwright** and **OpenAI**, processing 40,000+ records quaterly with automated error handling and monitoring.
- Led weekly **data bash** initiatives to maintain data quality, implementing **automated validation** checks and resolving **data inconsistencies** across multiple sources
- Architected a multi-source **chatbot** with **dynamic routing** between vector stores, databases, and search APIs for contextual responses

Python Developer
Propques

Tech Stack: *Python, Selenium, Flask, MongoDB, GCP, Dialogflow, DigitalOcean* — *April 2024 – Sep 2024*

- Developed and documented extraction scripts with **Selenium**
- Led agile sprints for **Dialogflow** chatbot development, increasing user engagement.
- Managed **noSQL database** with 10000+ records.
- Migrated from **GCP** to **DigitalOcean**, achieving 90% cost reduction ($200 to $15/month).

PROJECTS

Interview Hub ↗

Tech Stack: *Python, Flask, MongoDB, Groq API, HTML, CSS, JavaScript*

- Developed a full-stack **AI-powered interview platform** using **Groq**, **Flask**, and **MongoDB**, featuring automated Q&A generation and real-time notes management

CVE Data Analysis ↗

Tech Stack: *Python, Flask, MongoDB, Groq API, NLP, Pinecone, LLMs*

- Engineered an **NLP-powered security platform** using **Flask**, **GROQ**, and **Pinecone**, featuring CVE analysis, RAG-based similar search, and interactive visualizations serving 2 lakh+ vulnerability records

SKILLS

Programming Languages & Frameworks: Python, Django, Flask, SQL, JavaScript, HTML, CSS, Git, Langchain, Langgraph

Cloud & Infrastructure: Google Cloud Platform, AWS, DigitalOcean

Data & Databases: MongoDB, MySQL, Data Warehousing, Data Lakes, Dimensional Modeling

Development Tools: Jupyter, Selenium, BeautifulSoup, Playwright, Agile Methodologies, Github

Course Work: Machine Learning, Deep Learning, NLP, Artificial Intelligence, DBMS, DSA, Design and Analysis of Algorithms, Cloud Computing, Reinforcement Learning.

EDUCATION

Indian Institute Of Information Technology, Lucknow
Lucknow, India

Masters in Artificial Intelligence and Machine Learning : 8.72 — *August 2023 – June 2025*

Maharishi Dayanand University, Rohtak
Rohtak, Haryana, India

BSc (hons) Maths ; Percentage: 75.7% — *2020–2023*

ACHIEVEMENTS

- Secured **AIR 751** in IIT JAM.
- Solved **250+ DSA questions** on LeetCode, Coding Ninjas, and GeeksforGeeks.