

Nishant Deswal

Kaggle | Leetcode | LinkedIn

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EXPERIENCE

Python Developer

Propques

Tech Stack: Python, Selenium, Flask, MongoDB, GCP, Dialogflow, DigitalOcean

April 2024 – Sep 2024

- Developed custom data extraction scripts using **Beautiful Soup** and **Selenium**, reducing manual data collection time by 30%.
- Built a **property recommendation chatbot** with **Dialogflow**, increasing user engagement by 25%.
- Managed a **noSQL database** with over 10,000 records, ensuring high availability and reliability.
- Led the migration from **GCP** to **DigitalOcean**, cutting costs from \$200 to \$15 per month (over 90% savings).

Data Engineer

Ambitio

Tech Stack: Playwright, OpenAI, Python, EC2, LLMs

Oct 2024 – Present

- Engineered data collection pipelines using **Playwright** for a student profile builder, optimizing data extraction from multiple sources.
- Leveraged **OpenAI (GenAI)** to develop an automated scraping solution for **CourseFinder**, extracting structured data (JSON) for 40,000+ courses from diverse websites.
- Streamlined data extraction processes to handle varying website structures, enhancing scalability and automation.

PROJECTS

Interview Hub [↗](#)

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

- Built an **AI-powered interview preparation platform** using **Groq API** and **Flask**, featuring a comprehensive Q-Bank and automated PDF Q&A generator.
- Engineered a scalable **MongoDB-based notes management system** supporting concurrent users, enabling persistent access and real-time updates across sessions.
- Deployed a responsive full-stack application with **HTML**, **CSS**, and **JavaScript**.

Reliance Stock Price Prediction [↗](#)

Tech Stack: Python, yfinance, SARIMA, Prophet, Dash, Render

- Collected and engineered features from **250+ days** of Reliance stock data using **yfinance**.
- Trained and evaluated **SARIMA** and **Prophet** models, achieving an **RMSE of 14.62**, **MAE of 11.03**, and an **R² of 0.997** with the Prophet model, leading to its selection for deployment.
- Developed and deployed an interactive **Dash** dashboard on **Render** for visualizing stock predictions.

SKILLS

Programming Languages & Development: Python, SQL, JavaScript, HTML, CSS, Git, Flask

Artificial Intelligence & ML: LLMs, GenAI, RAG, TensorFlow, Keras, Scikit-learn, NLP, Deep Learning

Data Science & Analytics: Pandas, NumPy, Statistical Analysis, Data Visualization, Matplotlib, Seaborn

Databases & Tools: MongoDB, MySQL, PowerBI, Jupyter, Selenium, BeautifulSoup, Playwright

Cloud & Infrastructure: Google Cloud Platform (GCP), DigitalOcean, Streamlit, Render

EDUCATION

Indian Institute Of Information Technology, Lucknow

Lucknow, India

Masters in Artificial Intelligence and Machine Learning : 8.64

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.
- Led the team to become **Cricket Champions** of the college.