Nishant Deswal

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Kaggle | Leetcode | Linkedin

EXPERIENCE

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

- Developed and documented extraction scripts with **Beautiful Soup**, reducing data collection time by 30%.
- Led agile sprints for **Dialogflow** chatbot development, increasing user engagement by 25%.
- Managed **noSQL database** (10,000+ records) with documented schemas and API endpoints.
- Migrated from **GCP** to **DigitalOcean**, achieving 90% cost reduction ($200 to $15/month).

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**.

SKILLS

Programming Languages & Development: Python, Django, Flask, Fast APIs, RESTful APIs, SQL, JavaScript, HTML, CSS, Git

Cloud & Infrastructure: Google Cloud Platform, AWS, Terraform, DigitalOcean

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

Development Tools: Jupyter, Selenium, BeautifulSoup, Playwright, Agile Methodologies, Git Version Control

Additional Skills: Technical Documentation, Team Leadership, Cross-cultural Communication, Problem-solving

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