

Nikhil Singhal

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Summary

Data-driven analyst with a focus on actionable insights, skilled in Python, data scraping, and visualization. Proficient in building data pipelines with Celery, creating REST APIs, and designing Power BI dashboards to solve real-world problems in business and technology.

Skills

- **Programming:** Python, SQL
- **Data Analysis:** Pandas, NumPy, Scikit-learn, SentenceTransformers
- **Data Visualization:** Power BI, Matplotlib
- **Data Scraping:** Selenium, BeautifulSoup
- **Task Scheduling:** Celery
- **APIs:** REST API integration, Spoonacular API
- **Databases:** MySQL, SQLite
- **Version Control:** Git, GitHub
- **Operating Systems:** Linux (Ubuntu), Windows

Projects

Cryptocurrency Data Pipeline and Dashboard GitHub Jun 2024 – Present

- Engineered a scheduled task with Celery to scrape data on 10 popular cryptocurrencies every 15 minutes from multiple sources.
- Built a REST API to fetch and serve real-time cryptocurrency data, processing 10,000+ data points daily.
- Designed an interactive Power BI dashboard to visualize trends, delivering insights into market performance.

NutriRecipe Finder GitHub Mar 2024 – Present

- Analyzed a dataset of 5,000 Indian recipes using NLP (SentenceTransformers), improving ingredient matching accuracy by 20%.
- Integrated Spoonacular's API to provide nutritional insights, supporting advanced filtering for dietary needs.

Experience

Django Developer Intern, Webtization for SMRealEstate May 2024 – Present

- Developed data processing tools to transform HTML/CSS/JS into static pages, streamlining content management.
- Optimized data retrieval with multi-filter search functionality, analyzing user data to improve efficiency by 2x.

Education

Bachelor of Technology in Computer Science and Engineering 2022 – 2026

Dronacharya College of Engineering, Gurugram

Certifications & Achievements

- Python Basic Certificate, HackerRank, March 2024 [Link]
- Machine Learning Training, Internshala, 67%, Jun–Aug 2024 [Link]
- 1st Place, Haryana Ideathon (2024) [Link]
- 1st Place, "Web It Hub", Dronacharya College (2024) [Link]
- 3rd Place, BITS Pilani API Hackathon (2023) [Link]

Available for full-time Data Analyst opportunities starting June 2025.