Harsh

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LinkedIn | **Portfolio** | **GitHub**

Professional Summary

Dynamic and results-oriented Data Scientist with over 1 year of experience in web automation and API development. Proven track record of delivering automated data scraping workflows and built APIs. Skilled in Python, Selenium, Fast API, SQL, React, MongoDB. Seeking to leverage expertise in building efficient backend systems and automation tools to contribute to a dynamic team building modern, scalable backend systems.

Experience

Jr. Python Developer   *Sept/2023 – Oct/2024*
Ocius Technologies LLP – Ahmedabad, Gujarat
- Created a web scraper to collect data and store it in a SQL database.
- Rebuilt a salary slip system using React and Python, replacing the old .NET and Vue.js setup.
- Built a website that extracts details from invoice PDFs, displays them on the site, and allows downloading of raw data.
- Worked with a team to scrape websites and send verified code to Airflow for automation.

Python Developer Intern   *April/2023 – June/2023*
Ocius Technologies LLP – Ahmedabad, Gujarat
- Migrated data between databases using SQLAlchemy ORM.
- Built simple APIs and learned backend development with FastAPI.
- Researched Google Analytics, Facebook Ads, and Instagram Ads for integration planning

Projects

Disease Prediction System – Link
- Built a **machine learning-based disease prediction system** that suggests possible illnesses from user-reported symptoms.
- Performed **data preprocessing, feature encoding, and model training** using **Scikit-learn** for accurate predictions.
- Developed a **React + Tailwind frontend** and **FastAPI backend** integrated with **MongoDB** for real-time interactions.
- Deployed the **full-stack application on Vercel**, showcasing **end-to-end ML deployment and web integration skills**.

Waste Management Efficiency Prediction – Link
- Built and deployed a **machine learning model** to predict waste management efficiency.
- Implemented **data preprocessing pipeline** with encoding, scaling, and model persistence using Joblib.
- Developed a Flask REST API for serving predictions and deployed it on Render Cloud.
- Optimized performance with **cross-validation and hyperparameter tuning** for higher accuracy.

Education

Banaras Hindu University   **2023**
Master in Computer Application   Varanasi
CGPA: 7.81

Certifications

- Data Science for Engineers NPTEL - **Link**
- Natural Language Processing NPTEL - **Link**
- Data Science with Generative AI (PW)- **Link**

Skills

- Programming Languages: C, Java, Python, JavaScript
- Tools: Docker, Jira, langchain, Rags
- Databases: SQL, MySQL, MongoDB
- Domains: Web scraping, Automation, API development, Data Science, Data Analyst
- Frameworks: Flask, Django, React
- Libraries: Selenium, BeautifulSoup, Pandas, Numpy, Pytorch, Tensorflow