

NAVJOT SINGH

Data Scientist | Data Analyst

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Summary

Results-driven Python Developer and Data Science professional with expertise in **Django-based API development**, machine learning, and cloud integration. Successfully delivered scalable solutions like **Vendor Management Systems (VMS)**, **medicine recommender systems**, and **sales prediction models**. Skilled in integrating tools such as **Microsoft Graph API**, **Azure Blob Storage**, and **MSSQL** for efficient data processing and storage. Proficient in **predictive modeling**, **data visualization** (Power BI, Tableau), and cloud platforms like **Azure DevOps**. Strong foundation in **ML/AI models**, statistics, and algorithm design, with a proven ability to deliver actionable business insights and innovative solutions

Education

Chandigarh Group Of Colleges

Bachelor of Technology (B.Tech) in Computer Science | GPA: 8.03 / 10.0

2019 - 2023

Internships & Experience

Python Developer | Syansoft Technologies

07/2024 – 12/2024

- Designed and deployed **scalable RESTful APIs** using **Django** within a **microservice architecture**, improving system efficiency through **asynchronous background processing** with threads.
- Developed an **email utility** using **Microsoft Graph API** for Outlook 365 to automate reading emails and attachments, integrating **authentication and authorization** via secure token generation.
- Integrated **Azure Blob Storage** for efficient file handling, managed **MSSQL databases**, and implemented CI/CD pipelines using **Azure DevOps**. Maintained robust version control with **Git**.

Data Science Trainee | AlmaBetter

10/2023 – 06/2024

- Performed **Airbnb business analysis** and **social media product dissection**, applying descriptive statistics and **hypothesis testing** for actionable insights. Developed **machine learning models** for predictive analytics and **NLP** using **Python**, **SQL**, **TensorFlow**, **Scikit-Learn**, and **PyTorch**.
- Built end-to-end **data pipelines**, including data cleaning, preprocessing, feature engineering, and hyperparameter tuning. Deployed models on cloud platforms and visualized insights using **Matplotlib** and **Seaborn**.

Data Science & ML Bootcamp | PixelInfosys

01/2023 – 06/2023

- Executed projects using **supervised** and **unsupervised learning** techniques, including **classification**, **regression**, and **clustering**. Built **deep learning models** (Neural Networks, **CNNs**, and **RNNs**) for tasks like **image recognition** and **sequence prediction**.
- Implemented machine learning algorithms and optimized model performance with techniques like **cross-validation**, **grid search**, and **model tuning** using **Keras** and **OpenCV**.

Skills

Python, Numpy, Pandas, Data Science, Data Analysis, PostgreSQL, MSSQL, DBMS, Machine Learning (ML), Deep Learning (DL), OOPS, Keras, Tensorflow, Scikit-Learn, Flask, Streamlit, PowerBi, Tableau, Matplotlib, Seaborn, Natural Language Processing (NLP), Statistics, Algorithm Design, ML/AI Models, LLMs, HTML, CSS, JavaScript, RESTful APIs, Asynchronous APIs, Microsoft Graph API, Azure Portal, Azure Blob Storage, Azure DevOps, Git, CI/CD Pipelines, Multithreading

Projects

Medicine Recommender System

09/2023 – 11/2023

- Built a **medicine recommender system** using a dataset of **11,000 medicines** sourced via web scraping from **1mg.com**, achieving **95% recommendation accuracy** through collaborative filtering.
- Engineered an efficient **NLP-based system** in Python and developed a user-friendly interface using **Flask**, driving a **70% increase in user engagement**.

Future Sales Predictor (Data Science)

02/2023 – 03/2023

- Designed a **Linear Regression-based model** to predict sales with **92% accuracy** using advertising cost data (newspaper, TV, social media).
- Analyzed data using **Python**, **Pandas**, and **Scikit-Learn**, delivering actionable insights that could boost **ROI by 20%** and drive sales growth.

Airbnb Business Analysis (Data Analysis)

12/2023 – 02/2024

- Conducted ****exploratory data analysis (EDA)**** on Airbnb listings to uncover ****market trends****, ****host behaviors****, and ****geographical patterns****, providing valuable business insights.
- Performed **correlation analysis** and developed **compelling visualizations** using Python, showcasing strong expertise in **data-driven decision support**.

Certifications

Web Scrapping Certification

Kaggle Certification

Numerical Programming Certification

Data Science Training Certification

Achievements

5 Star in Python on Hackerrank

Expert on Kaggle

250K Followers on Instagram

Find Me Online

Linkedin

[linkedin.com/in/singh-navjot206](https://www.linkedin.com/in/singh-navjot206)

Github

github.com/singhraj2062001

Kaggle

kaggle.com/singhnavjot2062001