

SUNITA DHRUW

DATA SCIENTIST

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Summary

- Recently completed a professional certification program in full-stack development with a specialization in Data Science.
- Proficient in Python, Java, SQL, machine learning, statistical modeling, and predictive modeling.
- Skilled in translating business requirements into data-driven insights and solutions, with strong analytical and problem-solving skills and a keen interest in data analysis and machine learning.

Experience

Data Science Intern | YBI Foundation

Jul 2024 – Jul 2024

- Automated process of data extraction using SQL which reduced time by 25%.
- Processed and merged large data sets from different sources into a comprehensive database.
- Enhanced accuracy of predictive models by 20% using machine learning techniques.
- Collaborated with the data team to extract insights and inform decisions, utilizing strong communication skills.
- Tech Stack: Python 3, Machine Learning, NumPy, Pandas, Scikit-learn, Data Analysis, Data Science**

Technical Skills

Programming Languages: Python, Java, SQL (MySQL 8), HTML, CSS

Data Analysis Libraries & Visualization Tools: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Excel

Data Science & Machine Learning: Data Collection, Data Cleaning, Data Preprocessing, Data Analysis, Data Visualization, Model Building, Feature Engineering, Statistics, Predictive Modeling, Machine Learning Algorithms

Developer Tools & Frameworks: Flask, Streamlit, Jupyter Notebook, VS Code, ChatGPT

Project Management & Version Control Tools: Agile/Scrum, Jira, GitHub, Git

Projects

Movie Recommendation System | [Code](#)

Apr 2024 – May 2024

- Established a **content-based movie recommendation system** using a Kaggle dataset of 5000 movies.
- Achieved a precision rate of 85% and recall rate of 70%, resulting in highly accurate movie recommendations.
- Applied innovative thinking to optimize recommendation algorithms.
- Tech Stack: Python 3, Machine Learning, Streamlit, NumPy, Pandas, Scikit-learn, Data analysis**

Credit Card Fraud Detection | [Code](#)

Mar 2024 – Apr 2024

- Developed a fraud prediction model with a **R2 score** of 0.91.
- Utilized **Logistic Regression** method to classify transactions accurately, obtaining detection **accuracy score** of 91%.
- Leveraged analytical skills to identify patterns in transaction data.
- Tech Stack: Python 3, Machine Learning, NumPy, Pandas, Predictive Analysis**

Banking Application Rest API | [Code](#)

Mar 2024 – Apr 2024

- Built a banking application with CRUD functionalities, enhancing user satisfaction by 50% and implementing clean coding practices.
- Established microservice architecture, reducing downtime by 30% and achieving 99.9% database uptime.
- Tech Stack: Java 17, Spring Boot 3.2, MySQL 8, Spring Data JPA, Lombok, Tomcat**

Education

Government Engineering College

Bachelor of Engineering in Computer Science

Jun 2015 – Jul 2019

Raipur, Chhattisgarh

Certifications & Training

- Advanced Certificate Program in Full Stack Development:** IIT Roorkee and Great Learning | [Link](#) Jan 2024
- Python Fundamentals:** Great Learning | [Link](#) Sep 2023
- Java Programming:** Feasible Research and Technology | [Link](#) Jul 2017

Achievements

- Ranked in the top 6.9% of LeetCode for solving problems 50+ days in 2023 | [Link](#)
- Received certificate of appreciation for Back-end, DSA, DBMS from IIT Roorkee and Great Learning | [Link](#)