

Saumya Singla

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Summary

Resolute data Scientist, specializing in creating predictive models and applying machine learning algorithms to solve intricate problems. Experienced in handling large datasets, conducting statistical analysis, and using advanced methods to derive valuable business insights and support decision-making. Highly skilled in Python, R, as well as various data science tools such as TensorFlow, Scikit-Learn, and SQL. Deeply passionate about using data to foster innovation and accomplish strategic goals.

Technical Skills

Languages: Python, R, SQL, Java, Kotlin
Tools: Tableau, MS Excel, MySQL, Git, VS Code, PyCharm, IntelliJ, Android Studio, Google Firebase, Amazon AWS
Specialities: Data Analysis, Data Management, Data Visualization, Data Preprocessing, Statistics, Artificial Intelligence
Machine Learning: Neural Networks, Regression, Clustering
Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, Tesseract, OpenCV, Nodejs, Flask

Experience

Data Science Summer Intern

IBM | May 2024 – July 2024

- Performed advanced Data Analysis, Preprocessing, and Visualization using Python and Tableau.
- Successfully implemented machine learning algorithms, achieving high accuracy across different models.
- Developed a Stock Market Prediction System, providing actionable insights for real-time trading decisions.

Projects

OneLife Health Management Application

Technologies: Kotlin, Python, Flask, Scikit-Learn | June 2024 – Present

- Developed a health management app integrated with AI chatbots and machine learning algorithms, predicting heart attacks and hypertension with high accuracy.
- Visualized real-time health records like blood pressure and heart rate using Matplotlib.
- Utilized MySQL for live data tracking, improving data access speed.

Entity Feature Extractor

Technologies: Python, Tesseract, OpenCV | September 2024 – Present

- Built a feature extractor model that applies OCR technology to extract entities from images with high accuracy.
- Implemented neural networks to enhance prediction capabilities.
- Integrated parallel processing for faster data processing and optimized performance.

Certifications

- Google Data Analytics Professional Certificate | Coursera | November 2024
- IBM Machine Learning | Coursera | October 2024

Education

Bachelor of Technology, Computer Science and Engineering

Lovely Professional University, Phagwara | September 2022 - Present

High School Education

Sudesh Vatika School, Bathinda | August 2020 – July 2022

Co – Curricular Activities

Head of Public Relations

Innosphere LPU | September 2023 – Present

- Utilized public speaking skills to engage with startups, expanding entrepreneurial opportunities within the university.

Student Partner

Internshala | August 2024 - Present

- Promoted training programs through marketing efforts, connecting students to internships and boosting participation