RIYA SWAROOP

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Objective

Recent B.Tech graduate in Computer Science and Engineering with a specialization in Artificial Intelligence and Machine Learning, equipped with strong skills in Python, Java, Web development, and database management.

Technical Skills

- Programming Languages: Java (Basic), Python
- Web Development: HTML, CSS, JavaScript, React
- Database and Visualization: MySQL, Power BI, MS Excel
- Frameworks/Tools: Pandas, NumPy, Matplotlib, Git, GitHub

Education

St. Karen's High School, Patna, Bihar   2018
- Class 10th - 88%

St. Karen's High School, Patna, Bihar   2020
- Class 12th - 80%

LNCT University, Bhopal, Madhya Pradesh   2021 - 2025
- BTech C.S.E. (AI/ML) - CGPA: 7.13

Certifications

- Data Analysis Using Python by Samatrix, April 2023
- Web Development Using HTML and CSS Foundation by Infosys SpringBoard, March 2024
- Web Development Using Java by Wipro, October 2024

Projects

Credit Card Fraud Detection
- Designed and implemented a machine learning-based solution to detect fraudulent credit card transactions. Utilized the Kaggle Credit Card dataset, which was highly imbalanced (492 fraud cases out of 284,807).
- Performed data cleaning, feature analysis, and handled imbalance using under-sampling. Trained Logistic Regression as the primary model and achieved high accuracy (95%+) in both the training and the testing data.
- Tech Stack: Python, Pandas, NumPy, Jupyter Notebook.

Stock Market Price Prediction Website
- Created a web-based application that predicts stock prices using time-series forecasting techniques. Used historical stock market data to train models like LSTM (Long Short-Term Memory neural networks).
- Integrated model with a user-friendly UI. Plotted line graphs showing both actual and predicted stock trends using Matplotlib.
- Tech Stack: Python, LSTM, Pandas, Matplotlib, HTML/CSS

AI-Powered Conversational Chatbot
- Created an intelligent chatbot integrated into a responsive website using NLP and ML.
- Trained the model on custom intents and conversational data. Designed a responsive UI for a real-time chat experience.
- Tech Stack: Python, NLP, HTML, CSS, JavaScript, ML

Internship

Data Analytics Using Python, Samatrix Consulting Pvt Ltd   June 2023 - August 2023
- Completed an online internship focused on Data Analysis using Python Programming Language.
- Engaged with real-world datasets using Python libraries such as Pandas and NumPy to derive insights and create visualizations.