Sourish Chatterjee

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CAREER OBJECTIVE

Aspiring Machine Learning Engineer with a strong foundation in data preprocessing, feature engineering, and model optimization. Seeking an internship to contribute to data-driven solutions and drive business impact.

SKILLS

Programming Languages — Python, Java, C

Tools & Libraries — Pandas, Numpy, Matplotlib, Scikit-learn, Streamlit

Data Analysis — Data Preprocessing, Data Cleaning, Data Visualization

Platforms — Google Cloud, GitHub, Git

Other — Google Colab, Jupyter Notebooks, VS Code

WORK EXPERIENCE

Prodigy Infotech, *Machine Learning Intern* — Apr 2024 – May 2024, Kolkata, India

- Completed four machine learning projects, including image classification and predictive modeling
- Designed, implemented, and optimized machine learning algorithms.
- Collaborated with cross-functional teams to deliver high-quality solutions.

Certificate

Academy Of Skill Development, *Data Analyst Apprenticeship* — Jan 2024 – Feb 2024, Kolkata, India

- Analyzed and visualized stock market trends using large datasets
- Developed data-driven insights to guide strategic decision-making
- Collaborated with a multidisciplinary team to refine data analysis methodologies.

Github **Certificate**

PROJECTS

AI-Powered Flappy Bird Game:
Developed an AI agent using the NEAT algorithm to autonomously play Flappy Bird, enhancing skills in reinforcement learning and game development. The model successfully balanced difficulty and real-time processing to achieve high performance. *GITHUB*

Nifty 50 Stock Prediction:
Built a machine learning model to predict Nifty 50 stock prices using random forest. Achieved over 90% accuracy by leveraging feature engineering and model optimization techniques. This project demonstrated expertise in time series analysis and financial forecasting. *GITHUB*

Hand Gesture Recognition Model:
Implemented a hand gesture recognition system using computer vision techniques. Utilized convolutional neural networks (CNNs) for feature extraction and classification, resulting in high accuracy for gesture detection. This project showcased skills in image processing and deep learning. *GITHUB*

CERTIFICATES

Google Cloud | Gen AI | MOOCs | SIH '23

EDUCATION

B.Tech in CSE (AI & ML), *Meghnad Saha Institute Of Technology (Kolkata, India)* — 2022 – 2026

Higher Education, *Delhi Public School Ruby Park (Kolkata, India)* — 2020 – 2022