MRINAL MISHRA

SOFTWARE DEVELOPMENT ENGINEER

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SUMMARY

Software Development Engineer skilled in designing, optimizing, and deploying scalable applications. Proficient in multiple languages, cloud technologies, and Agile methodologies.
Passionate about problem-solving and delivering high-quality software.

EDUCATION

Bachelor of Technology in Computer Science, *Pranveer Singh Institute of Technology*　　　　12/2022 – Present
- Specialization in Artificial Engineering and Machine Learning

Intermediate, *Mariampur Senior Secondary School*　　　　2020 – 2021
Major Subject Physics, Chemistry, Maths　　　　Kanpur, India

PROJECTS

STOCK PREDICTION APPLICATION　　　　06/2025 – present
- Built models using time series and deep learning for stock forecasting.
- Analyzed historical data with technical indicators for accuracy.
- Developed real-time trend charts and insights.

DIGIT RECOGNITION APPLICATION ⊡　　　　03/2024 – 11/2024
- Developed a neural network using TensorFlow to classify handwritten digits (0–9) from the MNIST dataset with **97.6% test accuracy**.
- Visualized model predictions by displaying randomly selected test images with high-resolution outputs and label comparisons.
- Implemented data preprocessing, model training, evaluation, and real-time digit prediction with clean, modular Python code.

FAKE NEWS DETECTION APPLICATION ⊡　　　　12/2024 – 05/2025
- Built a logistic regression model to classify news articles as **fake or real** using TF-IDF vectorization and **natural language processing** techniques.
- Achieved **high classification accuracy** on a combined dataset of 44,000+ real and fake news articles (from True.csv and Fake.csv).
- Designed and implemented a clean, scalable pipeline for **data preprocessing, model training, and real-time prediction** using Python and scikit-learn.

Certifications

AI & ML Certification
Infosys Springboard
- Full Stack Development Certification - Infosys Springboard
- TCS ION Career Edge – Young Professional – TCS ION

AREA OF EXPERTISE

Software Architecture & Development, *Optimized Logistic Regression Pipeline & Efficient Data Preprocessing*

Algorithm & Performance Optimization, *Optimized ML pipeline & Improved preprocessing*

ADDITIONAL INFORMATION

Technical Skills
Python, Java, TensorFlow,Data Analysis, Pandas, Numpy ML Pipeline Design, TF-IDF