Satyam Sharma

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EDUCATION

Guru Nanak Khalsa College of Arts, Science and Commerce   Mumbai, India
Bachelor of Science in Computer Science   *Jun 2021 – May 2024*

- Relevant Coursework: Object-Oriented Programming, Computer Networks, Operating Systems, Artificial Intelligence, Python and Java Programming, Data Structures and Algorithms.

PROJECTS

VelBlog | *Python, Django, SQLite*   Nov 2024 – Present

- Developed a blog post web application to facilitate content creation and sharing using Django.
- Implemented user authentication and role-based access control for secure author and reader access.
- Designed responsive web pages for creating, editing, and viewing blog posts using HTML and CSS.
- Integrated SQLite for storing user data and blog content securely and efficiently.
- Followed best coding practices to ensure maintainability and scalability of the application.

Plant Leaf Disease Classification using CNN | *TensorFlow, Flask, Render*   July 2024 – Aug 2024

- Created a web application to identify diseases on plant leaves through image classification using Convolutional Neural Networks (CNN).
- Built and optimized the model using TensorFlow, incorporating data augmentation and tf.data pipelines.
- Integrated TensorFlow Serving for efficient model inference with a Flask backend.
- Deployed the application on Render, providing farmers with accurate and timely disease detection.

Cryptocurrency Price Prediction | *TensorFlow, Streamlit, Python*   Jan 2024 – March 2024

- Developed a deep learning model for predicting cryptocurrency prices using LSTM networks and historical market data.
- Implemented the LSTM model in TensorFlow, optimizing it for time-series forecasting of Bitcoin prices.
- Performed data preprocessing and feature extraction to improve the model's performance and reliability.
- Built a user interface for visualizing predictions and assisting in cryptocurrency trading decisions.

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript
Databases: MySQL, MongoDB
Frameworks: React, Django, Flask, TensorFlow
Developer Tools: Git, VS Code, PyCharm, IntelliJ
Technologies: Machine Learning, Artificial Intelligence

CERTIFICATIONS

Completed a 63-hour boot camp on the **'TensorFlow Developer'** Certificate from Udemy.

Attended a certified course in **Data Science using Python Machine Learning** at Excler-Solution, Mumbai.

WORKSHOPS & SEMINARS

Volunteered at NVIDIA RTX AI PC Day, managing tournament operations, showcasing advanced gaming technologies, and providing in-depth tech demonstrations, gaining experience in event coordination and customer interaction.

Attended a three-day workshop on **'Power BI'** at the G.N.K.C. Department of Computer Science conducted by DeveLearn, Mumbai.

Participated in a seminar on **'Introduction to Statistics and Machine Learning for Bioinformatics'**, conducted by the Department of Bioinformatics at the Guru Nanak Institute of Research and Development, Mumbai.