

SHOURYA PRATAP SINGH CHOUHAN

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LinkedIn — GitHub — Leetcode

Skills

Languages: Python,C++, JAVA TypeScript, JavaScript, C, HTML, CSS, SQL

Frameworks / Libraries: PyTorch, TensorFlow, OpenCV, NumPy, Pandas, LangChain, Node.js, React.js, Express.js, Next.js

Tools / Platforms: Jupyter, Google Colab ,Git, GitHub, MongoDB, MySQL, Postman, Firebase, Vite

Concepts: Large Language Models , Deep Learning, Model Fine-Tuning, Transfer Learning, CNNs, LSTMs, Vision Transformers, OOP, DSA

Soft Skills: Problem Solving, Teamwork, Project Management, Leadership, Communication

Projects

QA ChatBot – Conversational AI using Streamlit

- Integrated OpenAI API for natural language question-answering.
- Handled secure API key management using dotenv.
- Tech: Python, Streamlit, OpenAI API, dotenv, Conda

GitHub: [Link](#)

Stock Price Forecasting – Deep Learning with Stacked LSTM

- Built a deep learning model using Stacked LSTM to predict future stock prices from historical market data.
- Preprocessed and scaled real stock datasets using yfinance, pandas, and MinMaxScaler.
- Designed and trained multi-layer LSTM networks with Keras to capture time-series patterns.
- Tech: Python, TensorFlow/Keras, NumPy, Pandas, Matplotlib, yfinance

LLM-Powered Agent with Tools & RAG

- Built an intelligent agent using HuggingFace Transformers (FLAN-T5) with LangChain's React Agent architecture.
- Integrated Retrieval-Augmented Generation (RAG) using FAISS to fetch and reason over custom web documents.
- Tech: Python, LangChain, HuggingFace, FAISS, sentence-transformers, dotenv

E-Commerce Product Management Web App

- Built dynamic product listing, editing, and deletion system.
- Tech: React, Material UI, Node.js, MongoDB, Vite

Education

Dayananda Sagar University, Bangalore

Aug 2022 – Present

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.04 (current)

Emmanuel Mission Sr. Sec. School, Sirohi, Rajasthan

Class XII (CBSE): 75.6% – 2021

Class X (CBSE): 82.6% – 2019

Certificates & Achievements

NASA International Space Apps Challenge – Oct 2024

Web Development (Udemy) – 2024

Leetcode Rating: 1500+, Global Rank: 6785 in Contest 426 (25k+ participants)