

# SHOURYA PRATAP SINGH CHOUHAN

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LinkedIn — GitHub — Leetcode

## Skills

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**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

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**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

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**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

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NASA International Space Apps Challenge – Oct 2024

Web Development (Udemy) – 2024

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