SHUBHAM BHATIA

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EDUCATION

Bachelor of Technology in Information Technology , IPEC   2020 - 2024

XII, CBSE , SSD Saraswati Bal mandir   2020
X, CBSE , SSD Saraswati Bal mandir   2018

SKILLS

Languages:	C++ Programming, Python, Javascript, MySQL.
Developers Tools:	VS Code, Git/Github, Google Colab, Jupyter Notebook.
Technologies/Framework:	Machine learning libraries, TensorFlow/Keras, Scikit-learn, Natural Language Processing (NLP), LangChain API, Docker, Streamlit.

EXTRA-CURRICULAR & CERTIFICATION

Cognizant Artificial Intelligence Job Simulation on Forage   Jan 2024

- Conducted exploratory data analysis (EDA) for Gala Groceries using Python and Google Colab.
- Developed Python module for training machine learning models and outputting performance metrics.
- **Utilized skills:** Data Analysis, Data Modeling, Data Visualization, Machine Learning, Python.

J.P. Morgan Software Engineering Virtual Experience on Forage   Dec 2023

- Set up a local dev environment by downloading the necessary files, tools, and dependencies.
- Utilized JPMorgan Chase's open-source library Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor
- **Utilized skills:** Basic Programming, Contributing to The Open-Source Community, Financial Analysis, Web Applications, Python, Technical Communication, Git, Typescript.

PROJECTS

Twitter Sentiment Analysis Developed a deep learning model that trains on 1.6 million tweets for sentiment analysis to classify any new tweet as either being positive or negative [(Try it here)](#)

- Achieved 78.2% accuracy in sentiment analysis using NLP techniques
- Led implementation of NLP algorithms, improving sentiment analysis accuracy
- Optimized model performance with data preprocessing, stemming, feature extraction
- Utilized Kaggle API, manipulated Sentiment140 dataset for analysis

Conversational-Chatbot-Groq Developed Groq API Chat Assistant to enhance Customer Support and Information Retrieval by using Large Language Models (LLMs) and NLP. [(Try it here)](#)

- Utilized LangChain API to build Streamlit applications that enhance user engagement and accessibility.
- Integrated the Groq API seamlessly for contextually relevant responses through NLP.
- Managed session state to autonomously save and display chat history to enhance user interaction.
- Improved user satisfaction and experience by implementing a robust conversational interface.

ONLINE COURSES

- **Problem-Solving by CodeChef:** Ready to apply Python enriched skill set to real-world challenges.
- **C++ Programming - Beginner to Advanced:** Exploration of all the fundamental topics with a C++ Project

RELEVANT COURSES

- Data Structures & Algorithms — OOPS — Operating System — DBMS — Computer Networks — DAA — ML

ACHIEVEMENTS

- 4-star Silver Badge in 30 days of code on HackerRank.
- 3-star Silver Badge in C++ on HackerRank.