Talha Ali Khan

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SUMMARY

Aspiring Machine Learning Engineer with a Bachelor's in Computer Science and Engineering, equipped with a solid foundation in data analysis, model development, and programming. Proactively built and honed skills through rigorous self-study and personal projects. Driven to learn and work hard to exhibit a solid understanding and expertise in the AI industry. Seeking to contribute to impactful projects and grow within a dynamic team.

EDUCATION

Sharda University | *Bachelor of Technology* **Gr. Noida, UP** | *2020 - 2024*

- Major: Computer Science and Engineering
- Cumulative GPA: 7.9/10.0

Relevant Coursework

- ML Fundamentals, ML algorithms, Data Mining, Data Analysis, Deep Learning, NLP & Computer Vision

Other Activities:

- Led a team of 3 people for final year project.
- Participated in debate teams.

SKILLS

Data Analysis	**Programming**	**Machine Learning**	**Soft Skills**
Data Mining, Preprocessing, Normalization, Visualization, Statistical Analysis	Python, Algorithms, Numpy, Pandas, Matplotlib, Keras, Tensorflow, Flask	ML algorithms, Deep Learning, NLP, Fine Tuning LLMs, Model Evaluation, CV	Leadership, Attention to Detail, Communication, Ethical Awareness

PROJECTS

Real Time Stock Price Prediction Using Sentiment Analysis | *Final Year Project*

- Developed a real-time stock price predictor integrating historical data from NASDAQ and sentiment analysis from Twitter using Tweepy API. Utilised NBoW for sentiment analysis and employed RNN and LSTM models to forecast future stock prices based on the combined data.

A Virtual Assistant Chatbot Using LLM (HuggingFace) | *Personal Project*

- Developed a virtual assistant chatbot using Facebook/BlenderBot-400M-distill, manually managing chat history for context. Built a web application with Flask, HTML, CSS, and JavaScript, and fine-tuned the model with a custom dataset, suitable for basic tasks despite lacking the contextual depth of GPT-3.5 turbo or GPT-4.

Flappy Bird: Automated | *Personal Project*

- Developed a 2D Flappy Bird game using Pygame, complete with game physics and visual elements like pipes and a bird. Automated the bird's gameplay using NEAT (Neuro-Evolution of Augmenting Topologies), evolving a population of birds to achieve a perfect bird that never loses over several generations.

CERTIFICATES

Technokrats 2022	**Great Learning**	**Oracle**	**NSDC**
Secured 2nd position in the coding competition	Python Programming Certification	Artificial Intelligence & Machine Learning	Competitive Programming Certification