

# Muhammad Haris Saad

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## EDUCATION

### Lahore University of Management Sciences (LUMS)

Bachelor of Science in Computer Science

Lahore, Punjab

Aug. 2020 – Present

## EXPERIENCE

### TEDxLUMS

Aug. 2023 – Nov. 2023

Member Media and Marketing

- Actively led and communicated with the team in planning and organizing the event
- Made official promotional videos and trailers posted on social media using Premiere Pro
- Invited and collaborated with various well-known groups and individuals for the event

## PROJECTS

### Campus Access Management System | *Git, MySQL, React.js, Node.js, HTML/CSS*

Sep. 2022 – Dec. 2022

- Large-scale relational database built using MySQL
- Responsive user interface built using React.js
- Robust backend with multiple access functionalities for users built using Node.js

### Facebook clone | *Git, MySQL, Express.js, React.js, Node.js, HTML/CSS*

Aug 2022 – Sep. 2022

- Responsive Facebook clone built using React.js
- Large-scale database built using MySQL to make an account system
- Publishing and editing posts, commenting on posts, and other backend functionalities built using Express.js and Node.js

### UFC Fights Win Predictor | *Git, Python, Pandas, NumPy, Matplotlib, Scikit-learn*

Oct. 2022 – Dec. 2022

- Imported the UFC-Fight historical data from 1993 to 2021 dataset from Kaggle
- Conducted Exploratory Data Analysis on the dataset using Pandas, NumPy, and Matplotlib
- Trained two Logistic Regression models using Scikit-learn - to predict wins and number of rounds
- Predicted wins with an accuracy of 90% and the number of rounds fought with an accuracy of 80%

### SastaGPT | *Git, Python, PyTorch, Tiktoken, Pandas, NumPy, Matplotlib*

Nov. 2023 – Dec. 2023

- Custom Transformer model using PyTorch and Tiktoken for advanced modeling tasks
- Made model architecture from scratch based on the paper [Attention Is All You Need](#) by Vaswani et al. (2017)
- Trained the transformer model on a huge dataset, focusing on subword-level tokenization for text generation

## CERTIFICATIONS

### Fundamentals of Deep Learning

May 16, 2022

- Issued by NVIDIA

### Fundamentals of Accelerated Data Science

May 17, 2022

- Issued by NVIDIA

### Introduction to Data Science

Dec. 27, 2022

- Issued by Cisco

### Fundamentals of digital marketing

Aug. 9, 2023

- Issued by Google

## TECHNICAL SKILLS

**Languages:** TypeScript/JavaScript, HTML/CSS, MySQL, Python, C/C++, Haskell, MATLAB, Assembly Language

**Relevant Courses:** Data Structures, Design and Analysis of Algorithms, Databases, Software Engineering, Advanced Programming, Machine Learning, Deep Learning, Data Science, Operating Systems, Network-Centric Computing, Computer Organization and Assembly Language

**Frameworks:** MERN Stack, PERN Stack

**Developer Tools:** Git, VSCode, Jupyter Notebook, Google Colab, IntelliJ, PyCharm

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, Scikit-learn, PyTorch, Tiktoken