

## Contact

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(LinkedIn)

## Top Skills

Databases

Large Language Models (LLM)

Analytical Skills

## Certifications

Python

LangChain- Develop LLM powered applications with LangChain

Computer Vision

Python Bootcamp

DATA SCIENCE AND MACHINE LEARNING: MAKING DATA-DRIVEN DECISIONS

## Honors-Awards

Dean's List

Exceptional Achiever Scholarship

# Muhammad Taha

Kaggle Expert | Machine Learning enthusiast, Python, Data Science  
Johor Bahru, Johore, Malaysia

## Summary

Muhammad Taha, an avid technologist and computer scientist, boasts a remarkable academic trajectory, starting with an impressive 8 A/A\* at O'Levels from The City School, Hyderabad, and culminating in 2A\* 2A at A Levels from Nixor College, Karachi.

Currently, I'm pursuing a Bachelor's in Computer Science at the University of Southampton, Malaysia, where my dedication earned me the Exceptional Achiever Scholarship and a stellar Year 1 GPA of 3.69.

My hands-on experience includes a significant tenure as a Machine Learning Intern at TDCX, where I seamlessly integrated advanced AI/ML systems, and my ongoing role as a Kaggle Expert, sharing and developing innovative solutions. As the President of the Computer Science Student Association, I've been steering ambitious initiatives, aiming to bolster the technological landscape among my peers.

My passion for AI and computer vision is manifested through projects like Jarvis, a voice-interactive AI assistant, and a high-precision face detection system using YOLOv5. With a suite of skills spanning Python, Tensorflow, and Hugging Face Transformers, I'm deeply committed to harnessing the potential of AI to revolutionize industries. My aspirations extend beyond the digital realm; I cherish astro physics, football, and badminton, and I've made significant contributions to society, such as organizing a book drive for underprivileged children. Fluent in English, Urdu, and Hindi, I am ever-eager to connect, collaborate, and create.

My ultimate career goal is to become a machine learning engineer, leveraging my abilities to create and implement cutting-edge AI solutions. I am a quick learner, highly motivated, and always eager to take on new challenges. I am enthusiastic about opportunities to continue refining my skills and making contributions to the field of AI.

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## Experience

## Computer Science Student Club - UoSM

President

September 2023 - Present (3 months)

Johor Bahru, Johore, Malaysia

## Kaggle

Kaggle Expert

November 2021 - Present (2 years 1 month)

## TDCX

Machine Learning Intern

June 2023 - September 2023 (4 months)

Kuala Lumpur, Malaysia

- RAG Systems: Worked extensively on Retrieval-Augmented Generation (RAG) systems, pushing the boundaries of model capabilities by combining the best of retrieval and generation mechanisms for optimal output.
- Collaboration & Integration: Worked with the AI team to seamlessly integrate a suite of cutting-edge Language Learning Models, including but not limited to VertexAI/Palm2, OpenAI's GPT-3.5.
- Platform Expertise: Extensively used Vertex AI platform for efficient integration with Palm, demonstrating adaptability and proficiency in harnessing the potential of cloud AI platforms.
- Database Management: Successfully integrated LLMs with PostgreSQL, leveraging its pgvector extension and Google Cloud Platform. Experienced in using vector databases such as Qdrant to optimize data retrieval and storage processes.
- Model Training & Deployment: Played a pivotal role in harnessing the Langchain and Llama Index for efficient training and deployment of LLMs, ensuring optimized performance and scalability.
- Technology Acumen: Consistently stayed abreast of the latest AI/ML trends, tools, and technologies, reinforcing a commitment to continuous learning and professional growth.
- API Integration: Demonstrated expertise in working with many advanced APIs, including GPT-3.5 and Whisper, which ensured seamless interplay between different tools and platforms.
- Programming Skills: Enhanced and honed my Python coding capabilities, adopting best practices and leveraging them for efficient integration, modelling, and analytics.

## Nixor College

1 year 1 month

Teacher Assistant

August 2020 - August 2021 (1 year 1 month)

Teacher Assistant

August 2020 - August 2021 (1 year 1 month)

The City School Southern Region

Sports Captain

October 2018 - May 2019 (8 months)

Hyderabad, Sindh, Pakistan

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## Education

University of Southampton

Bachelor of Science - BS, Computer Science · (2022 - 2025)

Nixor College

A Levels · (August 2019 - August 2021)