

# MUHAMMAD YASIR SHAIKH

Malir Cantt  
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## EDUCATION

**DHA Suffa University** Karachi, Pakistan  
*Bachelor of Science in Computer Science (B.S. CS)* August 2025

Relevant Coursework: Programming Fundamentals, Object Oriented Programming, Database Systems, Data Structures and Algorithm, Computer Organization and Assembly Language, Design and Analysis of Algorithm, Operating Systems, Artificial Intelligence, Data Communication and Computer Networks

**Sceptre College** Karachi, Pakistan  
*Cambridge International A Levels* Sep 2019 - Aug 2021  
Academic Scholarship; Sceptre Event Management Team Head

## EXPERIENCE

**Hi-Tech Oil and Ghee Mills Private Limited** Karachi, Pakistan  
*Algorithmic Trading & Data Analyst* Jul 2022 - Present

- Designed algorithms to optimize trading strategies & maximize profits by 15% using Python/SQL
- Conducted data visualization on financial datasets to identify trends/anomalies using NumPy
- Collaborated with professionals to develop solutions for complex problems in the oil trading domain

## PROJECTS

**Database Management System for POS**

- Designed a newer more efficient data management system resulting in faster transaction processing times
- Integrated inventory management systems & database optimization through indexing & query optimization

**Pizza Hut Inventory & Financial Tracking System**

- Devised a Graphic UI/UX Interface using C# connected to 2 separate online databases for transaction tracking
- Developed an interconnected inventory and financial tracking system using MySQL, enhancing real-time monitoring of billing history, revenue, net income, and retained earnings, reducing manual data entry by 50%

## SKILLS

**Programming:** MySQL, Python, (Pandas, NumPy, Matplotlib), C++, HTML, CSS  
**Softwares:** MS Office, Google Docs, Visual Studio, Jupyter Notebook, Ubuntu

## LEADERSHIP

**DHA Suffa Event Planning Committee** DHA Suffa University  
*Deputy Director Team Management* Apr 2023 - May 2024

- Organized a Natl. Assembly parliamentary debate competition with over 50 students involved
- Planned an Annual beach party for the student body of 200+ people

**Sceptre Planners** Sceptre College  
*Lead Event Logistics Planner* Nov 2019 - Aug 2021

- Spearheaded multiple student body events including, Concerts, Olympiads, Sports Comp. etc.
- Managed Logistics, Finance, Registrations, Marketing, Content Writing & Sponsorships

## AWARDS

**Best Delegate in APS MUN**

- 1st out of 200 participants from PNA Group in APS Model United Nations

## LANGUAGES

- English Professional Working Proficiency
- Urdu Native/Bilingual Proficiency
- Sindhi Native/Bilingual Proficiency

