



MUHAMMAD TAHIR

SOFTWARE DEVELOPER ENGINEER IN TEST
BS COMPUTER SCIENCE

PROFILE

I am a Computer Science graduate from Habib University with a minor in Mathematics. I love problem solving, taking up challenges and am fascinated with artificial intelligence. I am looking for a job opportunity where I can develop my skills more.

SKILLS

Skill group

Python Programming

Database Development & Management

HTML/CSS/JS

Website Development (Django)

Data Science Programming

Verilog HDL Programming

Linux Ubuntu

C, C++ Programming

Android Application Development

Maple/Matlab Programming

Languages

Urdu

English

Basic Sindhi

Basic Arabic

EXPERIENCE

2020 - Present

AFINITI Software Solutions

Analyst Software Engineer, Karachi

- Software Developer Engineer in Test

2017 - 2020

Habib University

Teaching Assistant/Peer Tutor, Karachi

- Supported classroom activities including tutoring (EHSAS Center), grading homework and assisting Professor in generating class-related material.

2018-6 - 2018-7

PTCL IP Core Network Operations, SZ

Intern, Karachi

- Worked on Looking Glass and other technologies for monitoring, and tracing the latency of the network

2018-5 - 2018-8

Tech Karo, Circle

Intern, Karachi

- Worked closely with a website developer to manage and teach website development to students from underprivileged areas

2019 - 2020

Decor Automobiles

Website Developer/Designer, Karachi

- Designed & Developed the website for an automobiles showroom using the Django framework


2014 - 2015

Fatima Literacy School, Rashidabad


Teacher, Tando Allah Yar

- Supported student teachers by mentoring on classroom management, lesson planning and activity organization

ACHIEVEMENTS


 **Dean's Honors List, Fall 2018**
Habib University


 **Gold Medal (1st in Pakistan in 12th grade), 2015**
International Bebras Informatics Contest, Kangaroo


 **On Merit Scholarship (2016 - 2020)**
Habib University

CO-CURRICULARS

 **Captain of College Basketball Team (Habib University)**




 **TEDx Habib University, Organizer - Sponsorship & Finance Team**

 **Habib University MUN I, Organizer - Security Team**



 **Omicron I, Organizer,**

CONTACT

Contact

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Social

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EDUCATION

● 2016 - 2020

Bachelor of Science: Computer Science

Habib University, Karachi

- Object-Oriented Programming, Data Science, Artificial Intelligence, Data Structures, Algorithms: Design & Analysis, Embedded Systems, Operating Systems, Computer Architecture, etc.

● 2011 - 2016

A' & O' Levels: Computer Science

SST Public School, Rashidabad

- Computer Science, Physics, Mathematics, Chemistry

CERTIFICATIONS

2020 - 2020

DEEP LEARNING SPECIALIZATION

deeplearning.ai - Coursera, Online

- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

PROJECTS

2020

3-LAYER TENSORFLOW NEURAL NETWORK FOR SIGN LANGUAGE RECOGNITION

deeplearning.ai - Coursera

- Trained a 3-Layered NN to recognize Sign Language Numbers (0-5)

2020

DEEP 5-LAYER NEURAL NETWORK FOR IMAGE (BINARY) CLASSIFICATION

deeplearning.ai - Coursera

- Created a Deep 5-Layer NN with 4 hidden layers to classify images (binary).

2020

DYNAMIC TIME WARPING USING VERILOG HDL

Habib University

2019

5-STAGE RISC V PIPELINED PROCESSOR USING VERILOG HDL

Habib University

2018

IMAGE TO TEXT CONVERTER (DICTIONARY, THESAURUS) USING OPENCV, PYTESSERACT

Habib University

2017

DATABASE MANAGEMENT SYSTEM

Habib University

- Designed a Database Management System for a Cab startup (Travelling Mate)
- SQL for the database, C# for front-end

2017

2D CAR RACING GAME

Habib University

- Developed a 2D game using C++ & SDL graphics library

2015

SCHOOL WEBSITE (EDUCATIONAL)

SST Public School

- Designed & Developed School Website using Joomla Framework