House no. 1921, Wah Cantt

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March 14, 2004

Talal Khan Marwat

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Summary

I am an accomplished Computer and Software Engineering student with expertise in computer vision, digital design, machine learning, data analytics, image processing, and embedded systems programming. My goal is to contribute to innovative projects and ideas. With a strong foundation in Computer engineering principles, practical skills gained through projects and internships, and proficiency in Python, Java, SQL, React, C/C++, Excel, AWS, and MATLAB, I am eager to apply my knowledge and skills to real-world challenges.

Education

2020–2024 **COMSATS University Islamabad, WahCantt Campus**

Computer Engineering - CGPA: 3.1 Expected Graduation August - 2024

Projects

Final Year Project

Sept, 22 -

May, 24

E-commerce website for Physically challenged and Illiterate people with voice command using Machine learning , Supervisor - Dr Tooba Tehreem and Co-Supervisor - Dr Jamal Hussein Shah : ReactJs//Rub on Rails/Flutter

Semester Projects

Oct-Dec, 23 **Object Detection Using YOLO Computer Vision Algorithm**, Artificial Intelligence Developed a CLI based application for object detection. Python/Tensorflow/OpenCV environment

Oct-Dec, 22 **Image Processing GUI Application**, Digital Image Processing

Developed interactive GUI Application for image processing. MATLAB environment

Oct-Dec, 21 **University Timetable Scheduling and Checking System**, Algorithms and Data Structures

Developed a timetable system using graphs, linked lists, priority queues, and multiple algorithms. C++ environment

Oct-Dec, 21 **Voice Controlled Home Appliances**, Microprocessors and Interfacing

Implemented Speech Recognition System on AT89C51 Microcontroller. Assembly and MATLAB environment

Experience

Jun 24, Present

Dec 23, Present

Tachyontech – Mern Stack Developer, Make many projects like Plotant or Tapiit and Electivity by using the language of python ,react library or laravel Framework and many other things.

Freelance - Data Analytics Specialist, FIVERR, Level 1Seller With 200+ 4 Star Reviewsand 350+ Projects - Providing services as a data professional to solve real-world complex analytics projects to help businesses and individuals in efficient decision-making, Tools - Power Bi, DAX, Tableau, Excel, Python.

Technical skills

Basic AutoCAD, PLCs, Generative AI, ML-Ops, Android Application Development, Financial Analysis Advanced JAVA, MATLAB, Python, C/C++, Excel, Arduino, Reactjs, Html5.

Domains Computer Vision, Data Analysis and Analytics, Data Science, Embedded Systems.

Certifications

Professional Certificates

Dec 22 Machine Learning Specialization

Sep 22 DeepLearning.AI TensorFlow Developer Specialization

Other Certificates

Aug 23 Flutter app development

Aug 22 MATLAB Programming for Engineers and Scientists Specialization Aug 21 Excel Skills for Data Analytics and Visualization Specialization Oct 20 Excel Skills for Business Specialization

Languages

Urdu Native Speaker Excellent Command

English Conservative Good working knowledge

Chinese Conservative Good knowledge

Interests

Machine and Deep Learning

Full Stack Developer