Taha SOOMRO

Nationality: Pakistani   **Date of birth:** 16/01/2001   **Gender:** Male

📞 **Phone number:** (+92) 3061133552   ✉ **Email address:** soomrotaha07@gmail.com

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📍 **Home:** House no:1562, double road I 10/1, Islamabad., 44800 Islamabad (Pakistan)

ABOUT ME

Electronics Engineer with a solid background in circuit design and microcontrollers, seeking to enhance my knowledge in robotics, IoT, and autonomous systems. Currently, I'm expanding my skill set by learning mobile application development using Flutter, which enables me to develop comprehensive solutions that seamlessly integrate hardware and software expertise.

EDUCATION AND TRAINING

B.E ELECTRONICS ENGINEERING
Mehran University of Engineering & Technology, Jamshoro [05/11/2018 – 14/02/2023]

Address: 76062 Jamshoro (Pakistan) | **Website:** https://www.muet.edu.pk/

Higher Secondary Certificate
PUNJAB GROUP OF COLLEGES [2016 – 2018]

Address: 17000 Hyderabad (Pakistan) | **Website:** https://pgc.edu/

Secondary School Certificate
ST. BONAVENTURES HIGH SCHOOL QASIMABAD [28/07/2014 – 28/07/2016]

Address: 17000 Hyderabad (Pakistan)

RESEARCH INTEREST

Hybrid Sensor Fusion for Enhanced Mobile Robot Navigation in Unconstrained Pedestrian Environments

I have read your paper '**Detecting Untraversable Regions for Navigating Mobile Robot on Pedestrian Lanes**' and it has inspired me for researching on path planning of mobile robot using sensor fusion and intelligent decision making algorithms. I am to do ground breaking research in intelligent path planning of mobile robot for realtime applications.

WORK EXPERIENCE

Flutter Developer
Self-employed [12/2023 – Current]

City: hyderabad | **Country:** Pakistan

Link: https://github.com/tahaali73

Activity: Designed and Developed Mobile Application UI using Flutter.

Responsibilities:
- Created visually appealing and user-friendly interfaces for mobile applications
- Implemented custom widgets and layouts to achieve desired design outcomes
- Developed responsive designs for various mobile screen sizes and orientations
- Implemented navigation and routing logic for seamless app navigation

- Implemented best practices for code organization, reusability, and maintainability

Estimation Engineer (Mep)

Taab Electromachanical [17/03/2024 – 18/04/2024]

City: Dubai | **Country:** United Arab Emirates

1. Prepare tender documents: Assist in preparing tender documents, including estimates, schedules, and specifications.
2. Perform quantity takeoffs: Conduct quantity takeoffs from drawings and specifications to determine material requirements Using PlanSwiift Software.

PROJECTS

[01/05/2021 – 05/05/2021]
HAND GUESTURE RECOGINATION BASED OUTPUT In this project i am using an open CV library and an AVR atmega16 chip to control movement of car.

Link: https://pdf.ac/2tjXho

[01/07/2022 – 01/08/2022]
GPR, Mass and Synthetic Doppler Function In this project, I am designing and analyzing radar performance and simulating antenna on Matlab.

Link: https://pdf.ac/1NK6zr

[20/07/2024 – Current]
cryptocurrency integration in Coinflip Game In this, I am using Flutter Framework for the website and Firebase as a backend and integrated phantom wallet for transferring crypto between admin and user.

Link: https://flip-coin-422f8.web.app/

LANGUAGE SKILLS

Mother tongue(s): Sindhi

Other language(s):

Urdu
LISTENING C1 **READING** C1 **WRITING** B2
SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

English
LISTENING C1 **READING** B2 **WRITING** B2
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Mobile App Development
Intermediate Flutter / Dart programing language / Andriod Studio / FIrebase / GITHub (Basic)

Simulation software
MATLAB / SIMULINK / Proteus

Embedded system Development
Arduino NANO / STM32 CUBEMX / Ressberry pi / Arduino UNO / Xilinx ise design suit version 14.7 / Spartan 3 FPGA board / stm32f103c8t6 / Aurduino IDE

IOT
ESP 32 / Blynk

Programming languagesc

VHDL / Python Language - Basic knowledge

RECOMMENDATIONS

Name: Prof. Dr. Wajiha Shah. | Professor
taught me multiple courses during bachelors
Email: wajiha.shah@faculty.muet.edu.pk

Name: Engr. Aamir Ali Patoli | Final year project Supervisor
He was my Final year project supervisor
Email: aamir.patoli@faculty.muet.edu.pk

Programming languagesc

VHDL / Python Language - Basic knowledge

RECOMMENDATIONS

Name: Prof. Dr. Wajiha Shah. | Professor
taught me multiple courses during bachelors