Taha Salman

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F-17, Islamabad.
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Education

FAST - National University of Computer and Emerging Sciences, Islamabad.

Bachelor of Science (Electrical Engineering)	**2019**
Major: Electronics	
SuperNova College	**2015**
A. Levels	
Alhuda International School	**2013**
IGCSE	

Projects

Final Project: **UnderWater Communication System using Magnetic Induction.** Developed an STM32 run underwater system using the principle of **Magnetic Induction(MI)** for wireless underwater communication.

Semester Projects:

Fire Fighting Robot:
Designed a fire-fighting robot using an ATMEL chip programmed using assembly, implementing various sensors.
Electronic Workbench
Implemented a simple circuit solver employing OOP principles in C++. The program was capable of finding nodal voltages for a circuit inputted by the user.
Whack-A-Mole:
Designed the popular arcade game Whack-A-Mole in the form of a digital circuit.
Chat Site:
Designed a chat site by making a HTTP server in C++ with multithreading.
Digital Multimeter:
Designed a digital multimeter using the Arduino UNO for measuring AC/DC voltage and current.

Work Experience

Skills & Tools

Professional Skills	In-depth approach to work, Time Management, Punctuality, Teamwork and Collaboration.
Technical Skills	Verilog, FPGA, Machine Learning, MATLAB, Simulink, C++, Python, Atmel, Arduino, AUTOCAD, Proteus, Wireshark

Achievements

Bronze Medal in 1st Semester
Bronze Medal in 6th Semester

Trainings / Certification

3-Days Workshop on **PCB Design & Fabrication**, organized by **IEEE** Student Branch at FAST-NUCES, Islamabad.
Open AI API certificate from LinkedIn Learning

Activities

Speed Wiring Contest, National Solutions Convention (NaSCon), 2024

Interests

Cricket, Gaming, Chess