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OBJECTIVE

A Mechanical Engineering Junior student at SMME NUST, Islamabad, Pakistan. Keenly interested in Web Development, Internet of Things (IoT), Artificial Intelligence (AI) and Automation. An avid reader and music lover and enjoy coding and knowing more about different cultures. Excited to join a passionate team of developers and engineers to build useful and innovative products.



EDUCATION

BE Mechanical Engineering | SMME NUST Islamabad | Nov 2021 – Present

- Society: NUST Community Services Club – Executive Publications.

CAIE A Levels | Beaconhouse College Program Multan | Sep 2019 – Nov 2021

- Major in Pre-Engineering: Mathematics, Physics and Chemistry.
- Grades: 1 A*, 2 B.

CAIE O Levels | The City School PARCO Chapter | Sep 2016 – Aug 2019

- Served as Deputy Head of the Student Council for the session 2017-18.
- Achieved first position in Pakistan in International Kangaroo Linguistics Contest 2016.
- Grades: 6 A*, 2 A.



PROJECTS

Home Automation System | May 2023

- Implemented a NodeMCU-based DHT11 temperature sensor setup and developed a single-page web application to control a DC fan and a relay, both manually, and with automation.

CNC XY Plotter | Dec 2022

- Built an Arduino-based two-dimensional CNC Plotter, with stepper motors controlling XY motion and a servo motor controlling a pen in Z axis.

Plagiarism Detection Software in C++ | Feb 2022

- Developed a C++ program to check similarity of a text file, comparing it with 5 source files.



SKILLS

- AutoCAD
- SOLIDWORKS
- Proteus
- Adaptability
- Internet of Things (IoT)
- ANSYS
- Teamwork
- MS Office
- Technical Writing
- Technical Drawing

Certifications

- | | | |
|----------------------------------------------------------------|------------|----------|
| Elements of AI | UoHelsinki | Jul 2023 |
| Ethics in Engineering | Coursera | Jun 2023 |
| Drawing Interpretation | ASME | Apr 2023 |
| Renewable Energy Specialization | Coursera | Feb 2023 |
| Technical Writing for Engineers: Giving Readers What They Need | ASME | Oct 2022 |

IT Skills

- HTML5, CSS3 (SASS), JavaScript, Python, C++, Version Control (Git)

Languages

- English (Professional), Urdu (Native), Saraiki (Limited) and Spanish (Elementary)



VOLUNTEERING

Eco-Internship Program Intern | WWF Pakistan | Nov 2020 – Dec 2020

- Created awareness in a group of 9 on an environmental challenge, plastic pollution, and formulated a paper on outcomes of our activities. Community Service credit of 30 hours issued January 2021.