

Salman Khattak

Mechatronics Engineer

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Professional Summary

Dedicated Mechatronics Engineer, versed in **Automation, Prototyping, Hardware Integration, and Mechanical Design**. I am also skilled in presentations, technical reports, researching solutions, and implementing them. I am eager to learn new skills and technologies, and follow instructions and work cooperatively within team environments when needed, additionally I possess efficient team leadership skills that deliver results on time.

Technical skills

- MATLAB
- Solidworks/3D Modelling
- PLC Programming
(Siemens/Allen Bradley)
- Arduino/C++
- Efficient Communication
- Microsoft Office
- Team Management
- Project Organization

Work experience

Center for Intelligent Systems and Network Research, Peshawar
Research Associate – Embedded Development

December 2022 – Present

- Project: Rapid E. Coli Detection Kit
- Embedded Development and Automation of Processes

Center for Intelligent Systems and Network Research, Peshawar
Research Assistant – Embedded Development

October 2022 – December 2022

- Project: Rapid E. Coli Detection Kit
- Embedded Development and Automation of Processes

Lean Automation, Abbottabad
Intern – Automation

August 2022 – October 2022

- Training Siemens PLC & HMI Development
- Training regarding Automation in Industry
- IEC Standards Knowledge

Advanced Robotics and Automation Lab, UET Peshawar
Intern – R&D

July 2021 – October 2021

- Custom Insole Manufacturing System
- Research and Development

NRTC, Haripur
Intern – Robotics Wing

October 2020 – November 2020

- CNC Machining
- Robotics Basics
- Laser Engraving
- Quality Testing

Education

University of Engineering & Technology Peshawar

August 2021

Bachelor of Science - Mechatronics Engineering

- Organized Robotics Competition as member Robotics Club
- First Prize in RC Race at HITEC Robotics Competition
- 3.25 CGPA

Army Burn Hall College, Abbottabad

June 2017

A-levels

- Secured Gold Medal for 2nd position

O-levels

June 2015

Technical projects

- | | |
|---|----------------------|
| • Final Year Project: Custom Insole Manufacturing System (A Grade), UETP | Aug 2021 |
| • Fuzzy Logic Controller Design, UETP | May 2021 |
| • Wrist-based Health Monitor with Data Collection, Personal | March 2021 |
| • Engine Vibration Detector, UETP | February 2020 |
| • Wireless Weather Station with multi-sensor arrangement, Personal | December 2019 |

Interests & activities

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|---------------------------|---------------|---------------|
| • Photography/Videography | • Off-Roading | • Hiking |
| • Illustrations | • Camping | • Electronics |