

Muhammad Ammar

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Age 23

Professional Experience

ROBOTICS LECTURER

Punjab Group of Colleges

Lahore, Pakistan

Dec 2021- Present

PAKISTAN RAILWAY

Intern (4-Weeks)

Lahore, Pakistan

Sep 2020 – Oct 2020

- **Lifelong Learning:** Explored the working of engine and train wheel assembling part, hydraulic brake system, engine repairing, power distribution to located areas.

Education

UNIVERSITY OF ENGINEERING AND TECHNOLOGY

B.Sc. Mechatronics and Control Engineering (CGPA: 3.107)

Lahore, Pakistan

2017 - 2021

GOVT. SHALIMAR COLLEGE

F.Sc. Pre-Engineering (90.36%)

Lahore, Pakistan

2015 - 2017

Academic Experience

BREAKING TEXT BASED CAPTCHA USING DEEP LEARNING

Breaking CAPTCHAs of different websites to maximum accuracy level

- A Chinese website (<https://my.cnki.net>) CAPTCHA is cracked using CNN (Convolutional Neural Network) reference to published article and gained accuracy upto 99%

Extracurricular Experience

ASME (The American Society of Mechanical Engineers) UET, LHR

- **General Body Member:** Volunteer at Sky Lantern 2017 (An event by ASME UET held every year on the closing ceremony of Book Fair) and UET OLYMPIAD 2018 to perform different ground level tasks and to, especially, manage a huge crowd.

Embedded Projects

PCB Design using Proteus, Wi-Fi Extender using Nodemcu, Online Attendance System using RFID, Wi-Fi Car, Automatic Door system using Motion Sensor, Home Automation, Hand Gesture Controlled Robot, Maze Solver Robot, Obstacle Avoidance Robot, Weighing Scale, Universal Gas Sensor

Honors and Awards

ONLINE COURSES

- Natural Language Processing in TensorFlow - DeepLearning.AI (Coursera)
- Convolutional Neural Networks in TensorFlow - DeepLearning.AI (Coursera)
- Machine Learning - Stanford University (Coursera)
- Neural Networks and Deep Learning – DeepLearning.AI (Coursera)

AWARDS AND CERTIFICATIONS

Lahore, Pakistan

- **I-Paint:** Certificate was awarded based on painting
“Poverty and the environment of our society “.

2018

Additional

- **Technical skills:** Web Development (HTML, CSS, JavaScript), SQL, Git, Electronic circuit simulation using modern tools including Proteus, Multisim, Logisim, Microprocessor's coding, Programming Languages (Assembly, C++, Python), Hardware design using ANSYS, MATLAB, AutoCAD & Solidworks.
- **Interpersonal skills:** Time Management, Positive Attitude, Consistency

Interests: Electronics, PCB designing, Teaching, Mathematics, Volleyball, Home Automation and AI.