

Amir Ali

Electrical Engineer (UG-Year 4)

An Electrical Engineer with interest in AI, Machine Learning and Computer Vision. Experienced in doing team projects. Hands-on command on different simulation software and programming languages. Excellent record of managing events and co-curricular activities.



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Landi Kotal Near Peshawar, Pakistan

EDUCATION

BSc. Electrical Engineering Namal Institute Mianwali

09/2018 - Present

PERSONAL PROJECTS

Contactless Automatic Attendance Management System Using Face Recognition

- Used Haar Cascade for Face Detection and Build a CNN model for Face Recognition
- System marked present the recognized faces and stored it in a database.

Bluetooth Controlled Robot Car

- Simulated Design using STM32F401CB
- Implemented Hardware Using Arduino
- Mobile App using MIT App Inventor

Voice Recognition System Using MATLAB

- Simulation On MATLAB

Digital Thermometer

- Interfaced TFT LCD with Arduino
- Used LM35 for Temperature Measurement
- Prototype on Vero Board

Calculator Using TM4C123GH6PM

- Interfaced LCD with Stm32F401CB
- Interfaced Keypad with Stm32F401CB
- Implemented Hardware on Bread Board

WORK EXPERIENCE

Teaching Assistant

Calculus, Differential Equation

Namal Institute Mianwali

Responsibilities

- Taking Tutorial sessions every week
- Making and Marking of Quizzes and Assignments

Internee

Amal Academy Lahore

Achievements/Tasks

- Different Courses like Life of Purpose, Leadership, Knowing Yourself, Teamwork.

Math and Science Teacher

Namal Society Of Social Impact Education Wing

Namal Institute Mianwali, Frontier Islamic School Peshawar, Islamic Children Academy Peshawar.

Responsibility

- 5 pm-8 pm Teaching to around Local Students of Namal Institute Mianwali Society.

SKILLS

Machine Learning AI Database
Image Processing Jupyter Google Colab
Python Libraries Programming (C/C++/Python)
MATLAB RDBMS Tensorflow
scikit learn keras pandas numpy
Arduino PsPICE PCB Designing
AutoCad Teamwork Keil Leadership
VMware Assembly Language Mathematics
Oscilloscope Circuit Designing

ORGANIZATIONS

Namal Society of Social Impact (NSSI)

Managing Director Blood Wing NSSI General Member Education Wing NSSI

CERTIFICATES

Teaching Assistant for 2.5 Years

I have been TA of different courses of Mathematics for 2.5 years

Internship at Amal Academy Lahore

I have done Internship at Amal Academy Lahore Virtually.

Namal Arduino Workshop (03/2019)

Namal IEEE society had arranged this workshop in which we got to know about Arduino.

Namal Techno fest

Namal IEEE society had arranged this event of Robotics Competition in which Namal and students from other different universities Participated and showed their work.

Volunteer in Orientation Week

Organized Orientation Week for Fresh batch 2019-2023

Player of the Tournament (Football)

Football tournament best player of the Tournament

INTERESTS

AI ML CV Maths Problems
Geometrical Shapes Teaching Maths/Science
Solution of Society Problems Football