

TANZILA IRAM

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EDUCATION & QUALIFICATIONS

BS Electrical Engineering

2022

Major (Computing) Minor (Electronics & Power)

Namal Institute, Mianwali (Affiliated with UET)

CGPA: 3.37/4

PROFESSIONAL EXPERIENCE

Trainee at HCC Technology Foundation: Working as trainee in HTF Bootcamp, mainly focusing on C# programming and soft skills. (Present)

Electrical Panel Design internship: Learning AutoCAD and low voltage complete design. (Present)

SOFTWARE SKILLS

Programming Skills: C++, C, C#, Python & Assembly language

Software: Proficient in using PS PICE, Proteus, MATLAB, AutoCAD, Arduino, Keil u-vision, Visual Studio Code & Anaconda. Competent user of Microsoft word, excel and PowerPoint

PROJECTS

Final year project: Realization and Implementation of communication between hearing impaired and inarticulate people

Smart Circuit Breaker: Circuit breaker was designed which automatically trips when current exceeds certain limit.

Mobile Phone Charger: Implemented on hardware and software using Proteus. It was useful for all the Android phones.

24hr Digital Clock: Implemented on Proteus which shows time & date.

Automatic Street Light Control System: Implementation of street lights that turns ON/OFF depending on the presence of a person

Line Following Robot: Made a Lego robot that detect & track the line even if the path is altered by changing the shape of the line.

Smart door lock system with Fingerprint: Arduino Uno was used to make the smart lock, the opening & closing of door depends on the fingerprint sensed by the sensor along with the rotation of DC motor.

Ping Pong Game: A Scratch ping pong game was created with a ball and a paddle. The paddle hits a ball to bounce it off a wall, before the ball returns towards the paddle.

Tic Tac Toe Game: 3x3 grid game was developed between two players, who take turns.

DC-DC Converter: Boost (DC-DC) Converter was designed to step-up the input voltage.

Report on Gender Discrimination: Submitted a report on "Gender Discrimination".

Research Paper: Submitted a research paper on the issue of Plan crash of Maryam Mukhtiar by considering the social & ethical aspects.

ADDITIONAL EXPERIENCE

Chairperson at Center of Excellence and skills Development, Namal

2021-Present

Operational Manager at Center of Excellence and skills Development, Namal

2019-2021

Finance Director at IEEE Namal Student Branch, Namal

2020

Member of Problem solving Team, Namal

2019

Human Resource Manager at IEEE Namal student branch, Namal

2018-2019

Director Decor at Idea club and Open Source Society, Namal

2018-2019

HONORS & AWARDS

Full Fee Merit Based Scholarship in BS Electrical Engineering

PEEF Scholarship in BS Electrical Engineering & Pre-Engineering (FSc)

Hands-on Arduino Workshop Certificate

IEEE Namal

Data Visualization & Analysis using Python, Workshop Certificate

IEEE Namal

IEEE Namal Techno Fest'19 Certificate

IEEE Namal

Certificate of Appreciation for working as an Operational Manager at Center of Excellence and Skills Development, Namal
CESD Namal

SKILLS & INTERESTS

Soft Skills: Project Management skills, Strong Decision Making skills, Complex Problem Solving skills, Effective Communication skills

Interests: Machine Learning, Image processing, Computer Vision, App Development, Electronics & Management.

Hobbies: Enjoys painting, designing, calligraphy and sketching.