

ABDUL HASEEB

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EDUCATION

Bachelor's in Electrical Engineering (In Progress)

Namal University, Mianwali

CGPA: 3.4/4

Electives

- Database Engineering
- Machine Learning
- Computer Networks
- Digital Image Processing

PROJECTS

An Autonomous Robot with Self Navigation for Book Placement in Library (FYP)

- Using spine-labels instead of RFID tags
- Modified the Line Following algorithm for navigation
- Idea is also in stage2 of FICS by NUST

Vending Machine Prototype

- Using TM4C123GH6PM
- C programming with Keil uVision

Home Automation

- Using STM32401CB and Bluetooth
- An App to control the appliances
- Used Cube Mx and Keil μ Vision

Complete Design of a Network for Software House (CEP)

- Using CISCO Packet Tracer
- Designed complete network for 3 offices in 3 different cities
- Each office had different classful addresses and requirements

LEGO EV-3 Robot

- Equalized speed of both wheels using PI controller
- Designed the robot using LEGO blocks
- Implemented controller using SIMULINK

Tic Tac Toe

- In C++ and python
- Human vs Human & Human vs Computer

WORK EXPERIENCE

Internee at DT Department, Pakistan Elektron Limited (PEL)

06/2021 – 07/2021

(CO)CURRICULAR ACTIVITIES

- | | | |
|------------------------|---------------------------------|------------------|
| • Class Representative | <i>Namal Student Council</i> | <i>2019-2021</i> |
| • Hostel Fellow | <i>Hostel, Namal University</i> | <i>2019-2022</i> |
| • General Secretary | <i>Namal Religious Society</i> | <i>2019</i> |

SKILLS

- | | | |
|----------------------------|--------------------|---------------------|
| • MATLAB Programming | • SIMULINK | • Keil μ Vision |
| • CubeMx | • Proteus | • PCB Designing |
| • RaspberryPi/STM2/Arduino | • C/C++/python/SQL | • MS Office |
| • AutoCad | • OrCad | |