

Furqan Ahmad

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EDUCATION

National University of Science and Technology

Islamabad, Pakistan

B.S. in Computer Engineering

Expected Graduation, June 2024

- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

IMAGAGE INC

Remote

Software Development Engineering Intern

June 2023 – Sep 2023

- Database Design for Table Tennis Scoring Website using MySQL
- Front-End Development using React JS
- Integration and Deployment

DESTRA TECHNOLOGIES

Islamabad, Pakistan

Embedded Systems Intern

Dec 2019 – May 2020

- Innovative Smart Locker System Design for Airlift Technologies
- Thorough Debugging and Optimization of Smart Lockers
- Strategic Deployment and Integration of Smart Locker Solutions

PROJECTS

FYP: Central Banking Digital Currency(CBDC)

Islamabad, Pakistan

Team Member

Sep 2023 – Ongoing

- Developing a Centralized Blockchain Currency using Private Blockchain
- Network Integration using Hyperledger Fabric

Skin Lesion Classification using Image Processing

Islamabad, Pakistan

Team Lead

April 2023 – June 2023

- Skin lesion classification using image processing, achieving an accuracy of 0.83 with four key features. Dependencies include numpy, pandas, matplotlib, and opencv-python.
- Utilizing the PH2 Dataset, this project extracts asymmetry, border, color, and diameter features, employing a random forest classifier for accurate skin lesion classification

Color Sorter Using NodeMCU

Islamabad, Pakistan

Team Lead

April 2023 – June 2023

- Involving Microprocessor and Microcontroller, this project focuses on sorting mixed colors using a simple setup with NodeMCU, TCS3200 color sensor, and servo motors to direct colorful balls into specific cups.
- Utilizing NodeMCU, TCS3200 color sensor, and servo motors, the system sorts Red, Green, and Blue color balls, showcasing a practical application with a limited color detection scope.

ACTIVITIES AND LEADERSHIP

National University Of Science and Technology

Islamabad, Pakistan

Student

Nov 2020 – Ongoing

Comppec 2024

Islamabad, Pakistan

Lead of Media & Graphics

Jan 2024 – May 2024

- As the Media & Graphics Lead for CompPEC 2024, drive innovative visual content creation and strategic media planning to elevate the brand and enhance engagement

SKILLS

Programming: C/C++, Python, GO, Matlab, Js, Dart(Flutter), C#, SQL/MySQL, Verilog, Latex,

Tools: Vs Code, Jupyter Notebook, WSL, Docker, Github, Colab, ChatGPT, Canva, Adobe(Ps & Ai)