

Aneeq Asghar

Software Engineer

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EDUCATION

Specialization Computer Engineering FAST NUCES LAHORE

08/2017 - Present

CGPA: 3.25

Details and Achievements

- BS Electrical Engineering - Included in Dean's Honor list in four consecutive semesters
- With 3.85 CGPA in all core and Mathematics Courses

Cambridge International Advanced Levels LAHORE GRAMMAR SCHOOL

09/2015 - 06/2017

Courses

- Physics, Chemistry, Biology and Mathematics

PROJECTS

Smart Personal Management System (08/2020 - Present)

- Easy task creation
- Time and place-based context of tasks
- Automated categorization of tasks using Artificial Intelligence
- Notification System
- Feedback Implementation
- Developing cross-platform mobile phone apps

Cricket Board Management System (05/2021 - 06/2021)

- Responsive web app. Technologies used: HTML, CSS, JS, ASP.NET, MS SQL
- A web app responsible for managing complete Admin Panel and User Panel involving authentication, editing, addition, deletion and updation.
- Admin Panel: Updation of matches, stadiums, enclosures, cricket board officials, tickets and expense information of matches
- Normal User: Book tickets for the matches and create polls.
- SMS Subscriber: Score updates.

Fake News Detection (11/2020 - 01/2021)

- Classified news using traditional Machine Learning model (Logistic Regression and Decision Tree Classifier)
- Implemented the Classification Algorithm using Recurrent Neural Networks and LSTM
- Prepared a detailed report comparing the accuracy, precision and F1 scores of the two approaches

Home Automation System (12/2020 - 01/2021)

- Smoke and temperature detection using ADC, Interrupts, PWM, and UART modules of TM4C123GH6PM micro controller.

Solution to Dining Philosopher's Problem (05/2020)

- Resolved Synchronization problem in the context of multiprocessor systems using semaphores, threads, mutex and processes.
- Resolved bonus assessment part using Processes and Client Server Architecture

Password-Based Door Locking System (8051 Assembly) (2019)

Uber Database System (08/2018 - 10/2018)

- Find shortest path of multiple routes using Dijkstra's Algorithm

SKILLS

C++

C

JavaScript

Python

HTML

CSS

Assembly Language 8051/8086

WSL LINUX

Machine Learning

Embedded Systems

Operating Systems

Deep Learning

Proteus

MATLAB

Simulink

React

React Native

PCB Circuit Design

UBUNTU

TM4C123GH6PM programming

8051/8086 Micro Controller Programming

Microsoft Excel

Microsoft Word

Data Structures and Algorithm

ASP.NET

SQL Server

VHDL

SOCIETIES & ORGANIZATIONS

Association for Computer Machinery (08/2019 - Present)

Assistant Vice President

Institute of Electrical and Electronics Engineers (08/2020 - Present)

Assistant Event Coordinator

CERTIFICATES & ACHIEVEMENTS

Teaching Assistant (03/2021 - Present)

Teaching Assistant of CS 205 Operating Systems and EE215 Computer Organization & Architecture

Dean's Honor Certificate (01/2019 - Present)

<http://nu.edu.pk/Campus/Lahore/DeanLists>

Scholarship to Germany

Fully Funded Scholarship by German Embassy in collaboration with Goethe Institute and Lahore Grammar School

Logistics Head (2020)

Actively participated in conducting the event "GEEK WEEK'20" of International Association for Computing Machinery's student society (ACM) society and rewarded by Logistics Head shield