Manzoor Ul Haq

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EDUCATION

Namal Institute   September 2018 - July 2022

BSC (Computer Science) - **CGPA/Grade: 3.0**

Relevant Courses: Introduction to Computing, Programming Fundamentals, Object Oriented Programming, Discrete Mathematical Structures, Data Structures and Algorithms, Analysis of Algorithms, Theory of Automata and Formal Languages, Operating Systems, Database Systems, Intro to Human Computer Interaction, Artificial Intelligence, Software Engineering, Compiler Construction, Programming Languages, Web Technologies, Machine Learning, Computer Networks, Intro to Parallel & Distributed Computing, Computer Vision & Image Processing, Internet of Things, Information Security

TECHNICAL SKILLS

- Programming Languages: C/C++, Python, Java, Javascript, Prolog, HTML, XML, PHP, SQL, Scratch
- Operating System: Linux, Microsoft Windows
- Framework: Bootstrap, Flask
- Proficient with: Sublime Text, Atom, Android Studio, IntelliJ, Visual Studio, Visual Studio Code, Code Blocks, SWI-Prolog, Jupyter Notebook, MySQL, Firebase

PROJECTS

- Tic Tac Toe (C++)
- Tracking Mobile Application (Android Studio, Java, XML, Firebase)
- Tracking Web Application (Bootstrap, Javascript, Flask, Firebase)
- Movie Search Engine (C++)
- Understanding Signal App (Networking)
- File Management System (C++)
- Learning Management System (HTML, CSS, Bootstrap, MySQL, PHP)
- Artificial Neural Network (Python)
- Facemask Recognition Using CNN (Python)
- Structured Family Graph (Prolog)
- Heuristic Evaluation of Pakistan Railways (pakrail.gov.pk)
- Snails Game using Arcade library (Python)
- Paranoid Game (Scratch)
- Smart Home (Arduino, Mobile App, Led Lights, Servo Motor)

- Robocar with Collision Detection and Avoidance (Arduino, L298N H-Bridge, Servo Motor, Ultrasonic Sensor, DC Motors)
- Attendance System (RFID Reader, RFID Tags, ESP8266 NodeMCU)
- Authentic Person Identification and Door Opening (RFID Reader, RFID Tags, Servo Motor, ESP8266 NodeMCU)

ADDITIONAL ACTIVITIES

- Director Human Resource at Namal Idea Club (NIC)
- Treasurer at Namal Idea Club (NIC)
- Vice President at Namal Character Building Society (CBS)
- Member of a team managing Convocation 2019 at Namal Institute
- Member of a team managing Graduation Night at Faletti's Hotel
- Completed Community Service Hours at WWF – Pakistan
- Managing Committee Head of Orientation' 21
- Treasurer for Orientation' 21