MUHAMMAD SUFYAN

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SUMMARY

Fresh computer science graduate with software development, IT operations, and infrastructure management knowledge. Skilled in designing, developing, and implementing technical solutions. Seeking a developer or IT professional role to utilize my skills and grow while supporting an organization in achieving its objectives.

EDUCATION

Bachelor of Science in Computer Science (3.39 CGPA), Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST, ISB).   Jan 2019 - Jan 2023

Relevant Coursework: Fundamentals of Programming, Object Oriented Programming, Data Structures, Design and Analysis of Algorithms, Databases, Artificial Intelligence, Data Science, Parallel and Distributing Computing, Web-Tech I, Web-Tech II, Information Security, Digital Image Processing, Computer Networks and Data Communications.

SKILLS AND TECHNOLOGIES

- **Programming languages:** HTML, CSS, Javascript, C++, Java, JSP, JSX, SQL.
- **Tools and platforms:** Microsoft VS Studio Code, Sublime, Eclipse IDE, Arduino IDE, Figma, Google Collab, Anaconda, Cisco Packet Tracer, MySQL Workbench, Firebase, Ubidots, Leetcode, Git, GitHub.
- **Frameworks:** Servlet, Angular, BootStrap, Tailwind.
- **Libraries:** Basic React JS, JQuery, Numpy, Pandas, TensorFlow, Sklearn, Matplotlib, Seaborn.
- **Other:** JSON, XML, Ms-Office, Linux Commands, Latex.

PROJECTS

Flexyfoot Anatomical Robotic Arm for Elderly Aged People This project is an IoT-based robotic arm system with four arms attached to a wearable fall-prevention device. The system also analyzes heart rate and sends SMS alerts to family members in case of an abnormal heartbeat. Equipment includes a servo motor, accelerometer, microcontroller board, battery, pulse sensor, smartphone, Android studio, and Bluetooth. Machine learning provides the angle and speed required to open the robotic arm, reduce the risk of injury, and analyze and set the heartbeat of SMS transmissions.(Source)

Stroke Patient Detection using Machine Learning I built a project using machine learning algorithms to detect stroke in patients based on parameters including age, gender, hypertension, heart diseases, BMI, etc. Different classifiers analyzed, performed EDA and handled missing values. (Source)

VOLUNTEER WORK

Python Instructor   Nov 2022 - Jan 2023
iCode Guru

- Introduced Students to basic Python programming langauge Syntax.
- Introduced Students to the leetcode platform to build logic in coding.
- Delivered sessions on programming fundamentals concepts using Python language.

CERTIFICATIONS

- Front-end Developer Capstone Project Course Certification from Facebook Coursera(In-process).
- IT Support Specialist Course from Google Coursera(In-process)
- IT Essentials Course Certified from Cisco Networking Academy.
- WordPress Course Certified from Digiskills.