



## Saad Ahmed Raja


**Date of birth:** 29/01/2003


**Nationality:** Pakistani

**Sex:** Male

### CONTACT


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 [Github.com/saadraj4](https://github.com/saadraj4) (**Git**Hub)

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### ABOUT MYSELF

#### MERN Developer

I am a highly motivated MERN developer with a strong grasp of data structures and algorithms. My expertise spans frontend technologies and frameworks including HTML, CSS, Tailwind CSS, Bootstrap, and ReactJS. With a keen understanding of data structures, I excel in designing efficient and scalable solutions that prioritize performance.

I am eager to apply my technical prowess, problem-solving abilities, and commitment to excellence in a challenging role as a MERN developer. Continuously learning and adapting to industry trends, I ensure that my solutions are both efficient and innovative. I thrive in collaborative environments where I can contribute creatively to impactful projects, delivering exceptional user experiences.

### EXPERTISE

- Web Development(MERN)
- Mobile App Development (Kotlin)
- Data Structures and Algorithm
- C/C++/C#/Java/Python
- Docker
- AWS
- MS-Office Management/automation
- Bug Fixing
- Error Handling

### SKILLS

- Critical Thinking
- Leadership
- Team Management
- Problem Solving
- Time Management
- Communication
- Attention to Details
- Creativity

### EDUCATION AND TRAINING

**02/09/2020 – 13/06/2024** Sukkur, Pakistan

**BS-Computer Science** Sukkur IBA University

Website <https://www.iba-suk.edu.pk/>

### WORK EXPERIENCE

**08/2024 – CURRENT** Rawalpindi, Pakistan

**Web developer** AI Pinnacle (NASTP)

- **Developed and maintained** backend functionalities, improving overall system efficiency and reliability.
- **Designed and optimized** RESTful APIs to support seamless data exchange between frontend and backend systems, improving application performance and scalability.
- **Collaborated** with cross-functional teams to troubleshoot, optimize, and deploy backend services, ensuring smooth project delivery.

## 2020 – CURRENT Pakistan

### Freelancer Fiverr

- **Developed and maintained** complex websites, demonstrating strong problem-solving skills to address and resolve bugs effectively.
- **Applied in-depth knowledge** of data structures (e.g., arrays, linked lists, stacks) and algorithmic concepts (e.g., searching, sorting) to optimize website performance.
- **Utilized programming languages** such as C++, Java, and Python to implement efficient data structures and algorithms, ensuring robust and scalable solutions.

## VOLUNTEER WORK AND AFFILIATION

### 2021 – 2022

#### Coordinator

Community Welfare Society (CWS), Sukkur IBA University

### 2021 – CURRENT

#### Volunteer

Al-Shifa Trust Sukkur

### 2021 – 2024

#### Executive Member

Computer Science Society (ACM), Sukkur IBA University

## PROJECTS

### Airline-Management

Demonstration of Airline System that uses different data structures to store and manage different types of data. Efficiently plan and optimize flights, considering weather, costs, and airport data for missions.

Link <https://github.com/saadraj4/Airline-Management.git>

### Employee Management System

A comprehensive Employee Record Management System built using linked lists, capable of inserting, deleting, and updating employee records, along with advanced search and salary update functionalities. The project also includes a user-friendly graphical interface for efficient record management

Link <https://github.com/saadraj4/Employee-Management-System.git>

### Snake Game

Developed a multi-level Snake game in C#, showcasing dynamic game mechanics and engaging user experience.

Link <https://github.com/saadraj4/Snake-Game.git>

### Book it - Blockchain based Online Ticketing System

A blockchain-based web application for secure and transparent booking management. It uses blockchain to ensure data integrity and trust in booking transactions.

Link <https://github.com/saadraj4/fyp-bookit>

### Analysis of Telecom Customer Churn

An in-depth exploration of telecom customer churn, offering data-driven insights and predictive models for effective mitigation

Link <https://github.com/saadraj4/Analysis-of-telecom-Customer-Churn.git>

### Motion Analysis Using Accelerometer and Gyroscope Data

Motion Analysis using Accelerometer and Gyroscope Data. Python code for detecting motion events, estimating speed with Kalman Filter. Easily customizable

Link [https://github.com/saadraj4/Motion\\_Analysis\\_using\\_Accelerometer\\_and\\_Gyroscope\\_Data.git](https://github.com/saadraj4/Motion_Analysis_using_Accelerometer_and_Gyroscope_Data.git)

### Reddit Scrapper

Reddit Scraper - Extract data from Reddit with Python. Efficient, customizable, and API-compliant. Parse and store data for analysis. Community-supported. Open-source license.

Link [https://github.com/saadraj4/Reddit\\_Scrapper.git](https://github.com/saadraj4/Reddit_Scrapper.git)