

Saad Ahmed Raja

Software Engineer

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Results-driven and detail-oriented Full Stack Developer with hands-on experience in building scalable and efficient web applications using the **MERN** stack. Adept at both **frontend** and **backend** development, with a solid foundation in data structures, algorithms, and emerging technologies such as **AI** and **ML**. Proven ability to deliver high-quality solutions in remote, freelance, and collaborative team environments. Actively seeking opportunities to contribute to impactful projects while growing as a developer.

TECHNICAL SKILLS

- Programming Languages:** Java, Python, Javascript.
- Javascript Frameworks & Libraries:** ReactJS, NextJS, NodeJS, ExpressJS.
- Databases:** Oracle, PostgreSQL, SQL Server, MySQL, MongoDB, Redis, SQLite
- Frontend & Other Tools/Libraries:** ReactJS, NextJS, Bootstrap, TailwindCSS, Material UI, ShadCN
- Backend:** NodeJS, Express JS, Java SpringBoot, FastAPI, Flask
- AI/ML & Data Science Tools (Introductory):** Scikit-learn, TensorFlow, PyTorch, Keras, NumPy, Pandas.
- Other Tools:** Postman, Docker, Git, GitHub, Data Structures & Algorithms, REST APIs, MVC Architecture

SOFT SKILLS

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

WORK EXPERIENCE

Upwork – (Jan 2025 – present)

Freelancer

- Working on full-stack projects for clients with a focus on MERN technologies.
- Responsible for developing frontend interfaces and backend APIs.
- Managed project deployment and client support independently.

Ai Pinnacle (NASTP)– (Aug 2024 – Dec 2024)

Junior Web Developer

- Assisted in building web applications using ASP.NET and modern frontend frameworks.
- Collaborated in a team environment, contributing to new features and bug fixes.
- Maintained code quality and documentation standards.

EESS Solutions– (Jan 2024 – July 2024)

MERN Stack Developer

- Contributed to frontend and backend tasks for web-based products.
- Supported the development team with feature implementation and debugging.
- Participated in remote agile sprint cycles.

Personal Projects

- Book it - Blockchain based Online Ticketing System:** A web app ensuring secure, transparent bookings by leveraging blockchain for data integrity and trust. [\[GitHub Repository\]](#)
- Employee Management System:** Built using linked lists, this system supports CRUD operations, advanced search, and salary updates, with a user-friendly GUI for efficient record handling. [\[GitHub Repository\]](#)
- Feedback App:** A feedback application for collecting and managing user feedback efficiently, featuring a user-friendly interface and robust data handling. [\[Live Link\]](#)
- Analysis of Telecom Customer Churn:** An in-depth exploration of telecom customer churn, offering data-driven insights and predictive models for effective mitigation. [\[GitHub Repository\]](#)

Professional Projects

- Cleaners Compare – Commercial Machine Listing Platform**
Role: Web Developer at Ai Pinnacle (NASTP)
Developed core functionalities for a platform enabling users to list commercial cleaning machines. Integrated Stripe for payments, implemented secure file uploads, and optimized listing workflows by replacing a credit-based system.
Tech Stack: ASP.NET Core, Razor Pages, SQL Server, Stripe API
<https://www.cleanerscompare.com>
- Motion Analysis Using Accelerometer and Gyroscope Data**
Role: Freelance Python Developer
Built a motion detection and speed estimation system using accelerometer and gyroscope sensor data. Implemented Kalman Filter for real-time speed estimation and designed modular, customizable Python code for easy adaptation across different motion analysis use cases. [\[GitHub Repository\]](#)
Tech Stack: Python, NumPy, Pandas, SciPy, Kalman Filter, Python Sockets
- Reddit Scraper**
Role: Freelance Python Developer
Extract data from Reddit with Python. Efficient, customizable, and API-compliant. Parse and store data for analysis. Community-supported. Open-source license. [\[GitHub Repository\]](#)
Tech Stack: Python, NumPy, Pandas, nltk, praw, Python Sockets

EDUCATION

Bachelor of Computer Science
Sukkur IBA University, Sukkur, Pakistan
NTHP OGDCL Scholar
Website: iba-suk.edu.pk

Sep 2020 - May 2024

AWARDS & ACHIEVEMENTS

- Jan 2023** - Digital Learning & Skills Enrichment Initiative (DLSEI) sponsorship from Higher Education Commission (HEC) for Coursera. (x2)
- Sep 2020** - Oil and Gas Development Company Limited (**OGDCL**) Scholarship for Bachelor studies.
- May 2024** - Awarded funding under the National Grassroots ICT Research Initiative (NGIRI) by Ignite (Ministry of IT & Telecom, Pakistan) for developing an innovative final year project titled “Book It – A Blockchain-based Online Ticketing System”

CERTIFICATION

- Meta Frontend Developer Specialization – **Coursera**
- Meta Backend Developer Specialization – **Coursera**
- Python and Machine Learning – **Udemy BootCamp**
- Data Structures – **Udemy**
- React Development Bootcamp – **Udemy**
- MongoDB – **MongoDB University**

VOLUNTEER WORK

- Executive Member – Community Welfare Society (2021–2022)
- Coordinator– Computer Science Society (ACM) (2022–2024)
- Volunteer – Al-Shifa Trust (2021–Present)

INTERESTS

- AI & Machine Learning, Reading, Photography, Video Games