# Saad Baig

#### Self Taught Software Engineer

A Lifelong Learner and a dedicated Professional with 2 years of experience in building **web applications** using **JavaScript** & related **frameworks**. I am eager to leverage my expertise and continue to grow professionally while tackling new challenges.



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#### **WORK EXPERIENCE**

### **Software Development Engineer II**

Matrix Systems Pvt Ltd 04/2023 - Present

Karachi. Pakistan

Achievements/Tasks

- Developed a fintech product (Advisor Sketchbook) from scratch using Angular and Springboot.
- Transformed figma designs into dynamic, fully functional screens, ensuring seamless user experiences.
- Engineered and implemented custom state management (store) service to optimise performance and streamline data flow within the project.
- Engineered and implemented API call shifter (responsible for redirecting API calls to different servers) based on host.
- Conducted code reviews to ensures code quality, consistency, and adherence to best practices within the development team.
- Deploying development environment solutions on the production environment using **Docker containers**.
- Mentoring team members to fosters skill development, collaboration, and strengthens the overall capabilities of the team.

#### **Software Developer Consultant**

#### Transworld Associates

07/2022 - 04/2023

Karchi, Pakistan

Achievements/Tasks

- Collaborated in different projects with cross-functional teams in compliance with the Agile methodology and Scrum framework.
- Developed an in-house data-intensive product (Nucleus) from scratch using Vue js and Nest js.
- Implemented Role Based Authentication and Control.
- Implement a real time data pipeline to process alarms and perform business logic on them using Kafka and BullMQ.
- Played an important role in *designing* the **System Architecture**.
- Developed and implemented ground rules and style guides ensuring consistency and alignment across all team members.
- Worked with version control systems like Git to manage the codebase changes and facilitate team collaboration.
- Participate in requirement analysis and review sessions to deeply understand the project scope.

#### **EDUCATION**

#### **INDUSTRIAL & MANUFACTURING**

**NED University of Engineering & Technology** 

10/2018 - 09/2022

CGPA 3.801

Achievements

 Ranked in Top Ten: Got 5th position in whole batch.

## **Artificial Intelligence**

**PIAIC** 

04/2019 - 02/2022

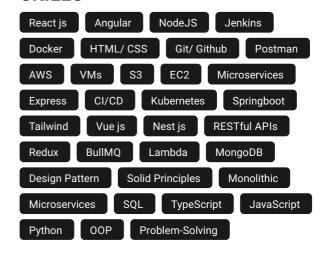
A Grade

**Projects** 

• Face Detection With Python.

 Facial Recognition Based Attendance System.

#### **SKILLS**



#### **ACHIEVEMENTS**

Design Patent of "Plier Tool (Class-01) (08/2021 - Present) Recognized by the Government of Pakistan for filing a Design patent.

Published Research Paper Related to Machine Learning in International Conference (08/2021 - Present)

Platform: Research Square

Got Special Prize while participating in the Pakistan Quiz Society (2018 - Present)

Won the Outstanding delegate award in MUN

Winner of Prestigious Abdul Qadeer Khan Trophy in 2017

#### CERTIFICATES

Deep Learning Specialisation (Coursera) (05/2020 - Present)

Credential ID: D8GLV474G4B7

98-381:MTA: Introduction to Programming using Python (10/2020 - Present)

Credential ID: wqoPX-2FwT

Microsoft Office Specialist: Associate (Office 365 and Office 2019)

#### **LANGUAGES**

English

Urdu

Full Professional Proficiency Native or Bilingual Proficiency

#### INTERESTS

Learning New Tools and Technologies of Tech Industry

Investment

**Public Speaking** 

**Book Reading**