

# MUJTABA TARIQ

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## Summary

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Computer science graduate with expertise in full-stack development and machine learning. Proficient in React.js, Node.js, and Flask with experience in building scalable applications and solving complex problems.

## Experience

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AI Solutions Developer | Rebiz

Jun 2025 – Sep 2025

- Designed and deployed AI-driven automation systems, reducing manual workload through daily summaries, email organization, and weekly reporting.
- Integrated external APIs (news feeds, uptime monitors) to provide continuous business intelligence and improve operational reliability.
- Built a multi-source architecture combining Shopify Admin API, search engines, and local LLM inference into a structured data pipeline.
- Developed intelligent algorithms for competitor price matching, normalization, and reporting.
- Containerized automation workflows using Docker and exposed services via Flask REST APIs for scalability.
- Delivered structured dashboards consolidating compliance and pricing insights for decision-makers.

MERN Stack Developer | Macro Soar

Mar 2025 – May 2025

- Worked on ormo.ai, an AI-powered consultancy platform enabling professionals to register as consultants and deploy custom AI chatbots.
- Designed and implemented front-end interfaces in React.js for user onboarding, consultant registration, and chatbot creation.
- Built and integrated back-end services with Node.js and MongoDB to manage consultancy sessions and user data.
- Contributed to managing organization's website, databases, and day-to-day workflows.

Front-End Developer Intern | Digital Empowerment

Sep 2024 – Feb 2025

- Developed a search engine using an external API, ensuring efficient state management in React.
- Utilized React hooks and Context API to manage global state and optimize data fetching.
- Implemented dynamic form handling and validation using controlled components in React.

JavaScript Developer | Insaftaar

Jul 2024 – Sep 2024

- Led a team to design and implement innovative solutions, fostering collaboration and ensuring timely project delivery.
- Developed scripts to automate file and folder management within Google Drive, enhancing user experience.
- Integrated third-party APIs with Google Apps Script to extend functionality within Google Workspace.
- Streamlined workflows by automating repetitive tasks, improving efficiency and reducing errors.
- Created dynamic web forms linked to Google Sheets for real-time data collection and analysis.
- Developed automated scheduling solutions using the Google Calendar API.
- Designed custom notifications and alerts via Gmail and Google Sheets integration.

## Projects

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Smart Construction Model — Full-Stack Developer

- Developed a web-based system for cost estimation and real estate recommendations.
- Implemented a cost estimation model to calculate construction costs based on materials, labor, and area.
- Designed a society search engine integrated with Google Maps and Geolocation APIs.
- Built a society recommendation system using K-means clustering and KNN algorithms.
- Integrated XGBoost models to predict house prices based on historical data.

- Developed a plot predictor model to forecast future plot prices within societies.
- Ensured secure authentication using JSON Web Tokens (JWT) and designed an admin panel.
- Key technologies: React.js, Node.js, Python (Flask), PostgreSQL (Prisma), XGBoost, K-means Clustering, KNN, Google Maps API, JWT.

#### X-ray Image Classification — Machine Learning Developer

- Developed a web app for real-time classification of X-ray images as "Normal" or "COVID-19."
- Built the back-end with Flask to handle image uploads and classification.
- Preprocessed X-ray images using OpenCV for uniform input.
- Trained a KNN classifier on X-ray image datasets.
- Integrated the trained model into a web interface for instant classification.
- Displayed performance metrics such as accuracy, confusion matrix, and ROC curve on the web interface.
- Key technologies: Python, Flask, KNN, OpenCV, Scikit-learn.

## Skills

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Languages: JavaScript, Python & C++

Web Development: Node.js, React.js & Flask

Mobile Development: React-Native

Tools: Visual Studio Code, Postman, Docker, Github & Git

## Education

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Bahria University, Islamabad

Mar 2021 – Feb 2025

- Bachelor's of Science in Information and Technology — CGPA 3.25/4
- Coursework: Information Security, Cybersecurity, Software Testing, Software Requirements Engineering, Networking, Quality Assurance of Software, Object-Oriented Programming, Data Structures, Database Design and Management.

Pakistan School, Isa Town, Bahrain

2018 – 2020

- Higher Secondary Certificate (FBISE) — Grade B
- Subjects: English, Mathematics, Physics, Computer Science