MUHAMMAD TALLAL AAMIR

Software Engineer |Full Stack Developer

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Profile

Experienced full-stack developer with expertise in web and mobile application development. Proficient in React Native, Redux, React, Angular, and Shopify, with a strong foundation in front-end and back-end technologies. Adept at creating responsive, user-centered interfaces, troubleshooting complex issues, and enhancing app functionality. Committed to delivering high-quality solutions and continuously advancing technical skills.

EDUCATION

- **BS BIOINFORMATICS, SEPTEMBER | 2020-2024**
- **COMSATS UNIVERSITY ISLAMABAD**

RELEVANT COURSEWORK

DATA STRUCTURES & ALGORITHMS, ARTIFICIAL INTELLIGENCE, WEB ENGINEERING, SOFTWARE DEVELOPMENT IN BIOINFORMATICS, OBJECT-ORIENTED PROGRAMMING, BIOINFORMATICS DATABASE DEVELOPMENT, PROJECT MANAGEMENT, MODERN PROGRAMMING LANGUAGES.

LEARNING RESOURCE

- **UDEMY: THE WEB DEVELOPER BOOTCAMP BY COLT STEEL | JULY 2021**

- **UDEMY: REACT - THE COMPLETE GUIDE BY MAXIMILIAN SCHWARZMULLER | DECEMBER 2021**

Experience

- **GLOBAL EXPERTS, ISLAMABAD | OCTOBER 2023 – DECEMBER 2023**
  - ✓ Developed foundational skills in web technologies, including HTML, CSS, and JavaScript, and contributed to front-end development.

  - ✓ Experimented with tools like Flutter for diverse SDK requirements, focusing on a Vehicle Tracking System.

  - ✓ Developed the main company website.

  - ✓ Built proficiency in MERN stack and full-stack development.

  - ✓ Contributed to designing and developing both web and mobile applications for the Vehicle Tracking System.

- **Freelancer**

Self-Employed Web Developer

  - ✓ Reached clients through Instagram, developing responsive websites, implementing updates, and building immersive Shopify and WordPress sites.

- **UNIVERSITY PROJECTS**

  - ➢ **Accurate Prediction of Protein Allosteric Sites Through Automated Machine Learning (Final Year Project)**

  - ✓ Developed a computational method to identify allosteric sites on proteins using automated machine learning and folding techniques, aiding in protein function understanding and targeted drug design. Achieved a prediction accuracy of 70% for the model.

  - ➢ **AI Model for Parkinson's Disease Prediction**

  - ✓ Built a model using selected parameters and feature selection to accurately predict the presence of Parkinson's disease. Achieved a prediction accuracy of 86%.

  - ➢ **Application for Medicine Adherence**

  - ✓ Developed an Android app to provide medication details (uses, dosage, side effects) with a reminder alarm for selected medications.

  - ➢ **Dog Tinder**

  - ✓ Created a responsive Bootstrap-based website to help find potential mating partners for different dog breeds.

  - ➢ **Museum of Candy**

✓ Designed a responsive website using Bootstrap to advertise candy products.

● **RECENT PROJECTS**

✓ ReactJS-Based Dental Clinic Website: Designed a responsive ReactJS website with email forms, Google Maps, WhatsApp integration, and dynamic pages. MM_Dental_associates

✓ React Websites for Marketing Agency: Fully responsive with lazy loading for enhanced speed. Ahmarketing | Xcelert

✓ ESPN Cricket Website Replica: Custom-coded replica with advanced CSS and JavaScript features.

✓ Shopify Website for Lucncy: Modified Shopify site with custom CSS and performance optimization. Lucncy

✓ Global Experts Business Website: Simple business site with an appointment form.

✓ HrVertica: Business website with complete responsiveness. HRVertica

✓ NEXT JS Portfolio with Animations: Interactive portfolio with animations.

✓ WordPress Website Design: Designed to showcase skills.

✓ Flutter Application: Developed a Flutter-based mobile application for a Vehicle Tracking System.

● **MAJOR PROJECTS**

➢ **Breeders App**

✓ Mobile marketplace app for buying and selling animals, with secure login, ad management, notifications, and category-based recommendations.

✓ Features: Location-based ads, social sharing, in-app comments, and localization (Urdu/English).

✓ Tech Stack: Flutter, Firebase, Node.js, Express.js, MongoDB, Imagekit (CDN), Firebase Functions.

✓ Google Play Store - Breeders App

➢ **CattleCart (React Native)**

✓ Basic version of Breeders App, designed in React Native with essential features for ad management, user login, and category filtering.

✓ Tech Stack: React Native, Redux.

➢ **Inventory Management System**

✓ Working as a lead Developer for a full-stack inventory management system using C# and .NET for the backend, with Azure and SQL database integration, and AG-grid-angular on the frontend.

✓ Skilled in debugging complex issues, optimizing system performance, and ensuring reliability in production.

● **ADDITIONAL INFORMATION**

- ❖ Languages: HTML, CSS, JavaScript, Tailwind CSS, Bootstrap CSS, Shopify, ReactJS, AngularJS, Firebase, MongoDB, NextJS, NodeJS, C#, SQL, .NET, Linux

- ❖ Mobile Development: React Native, Flutter

- ❖ State Management: Redux, Context API

- ❖ Debugging Skills: Highly skilled in debugging both web and mobile applications, including complex systems such as inventory management software and large-scale websites.

- ❖ Tools: Git, GitHub, VS Code, Google Colab, Jupyter Notebook, SmarterASP, Microsoft SSMS, FB Ads Manager

- ❖ Soft Skills: Problem-solving, Teamwork, Time Management, Effective Communication, Agile Development