




OZAIR HASSAN

Full-Stack Developer

 ozair.hassan123@gmail.com

 (+92) 314-2119661

 Karachi, Pakistan

CAREER OBJECTIVE

I am a motivated and inventive web developer who possesses moderate expertise in full-stack development, acquired through practical involvement in developing customized applications from inception to deployment. Proficient in harnessing state-of-the-art technologies like React, Material-UI, Firebase, MongoDB, and Tailwind CSS to create sturdy and user-focused web-based solutions. I have successfully delivered a spectrum of projects, spanning from frontend designs to comprehensive AI-powered full-stack applications. My ability to conceptualize, design, and execute projects independently, coupled with a strong dedication to continuous learning, makes me a motivated and adaptable candidate ready to excel in a remote web development role

PROJECTS

Portfolio Website

Designer and Developer

 Current (<https://ozair-hassan.onrender.com>)

- Designed and developed a visually stunning and highly engaging portfolio website.
- Leveraged React, Tailwind and three.js to create a highly interactive and visually appealing frontend.
- Used post-processing to add appealing effects such as bloom, chromatic aberration.
- Visually engaging portfolio website showcasing projects with iframes, highlighting the diverse tech stack employed, including Tailwind, Material UI, React, and Redux.
- Fully operational contact section, making use of emails to ensure smooth and effortless communication.

Article Digest (<https://article-digest.onrender.com/>)

Designer and Developer

 2023

- Developed a cutting-edge React web application using Tailwind CSS and React Redux that integrates the power of Chat GPT-4 API and the Rapid API Translation API.
- The app allows users to input an article URL, and it not only generates a concise summary but also offers the option to translate the content into multiple languages on the fly.
- Leveraged the potential of modern web technologies to create a user-friendly, information-rich experience, showcasing the seamless synergy between AI-powered chat capabilities and multilingual translation.
- Ensured a smooth and efficient user experience by implementing Redux for state management and followed best practices in web development, delivering a dynamic and engaging application for users worldwide.

Crypto Watcher (<https://crypto-watcher-kxj8.onrender.com>)

Designer and Developer

 2023

- Crafted a comprehensive React application that seamlessly blends front-end and back-end functionalities, to provide users with an insight into the dynamic world of cryptocurrency.
- The captivating hero section features a carousel display, adding a visually engaging element to the website and ensuring an immersive user experience.
- Data is sourced in real-time from the Crypto Coin Gecko API, allowing users to stay updated on the latest market trend.
- Users can access in-depth statistics and graphical data for each individual cryptocurrency.
- User can monitor real-time data updates, providing a personalized and secure experience for each user.

- This project stands as a testament to modern full-stack development, offering users a valuable tool for keeping them informed about real-time market trend.

InstaBank (<https://instabank.onrender.com>)

Designer and Developer

 2023

- Crafted an eye-catching, front-end web application inspired by a Figma design, focusing on a captivating hero section that features dynamic 3D spheres floating and rotating in real-time. Powered by Three.js, this interactive element adds modern touch to the website.
- Designed as a mock website for a credit card company, the application combines the visual appeal with the need for a credit card company's web presence, creating a seamless blend of aesthetics and functionality.
- Employed the efficiency of Tailwind CSS to style and structure the user interface, resulting in a clean, responsive, and visually pleasing layout.
- Utilized React for the frontend development, enhancing the user experience with its component-based architecture and seamless state management.
- This project is a testimony of how modern web development can bring innovation and style to the digital presence of a business.

Virtual Reality Aided Control System for Unmanned Vehicles (Final Year Project)

Designer and Developer

 2023

- The project addresses challenges in autonomous vehicles in a developing country, aiming to enhance road safety. Through VR technology, it creates an immersive control system for unmanned vehicles, boosting situational awareness. This contributes to safer transportation environments.
- The project's five modules integrated hardware with Unreal Engine, developed precise camera control, built vehicle bases, and incorporated AI models. VR technology enhances the experience.
- The project introduces 'AIRWOLF,' a cost-effective and accessible prototype car that prioritizes human safety and well-being. Falling under Level-3 vehicle automation, it

incorporates features like collision prevention, object detection, and advanced technologies to enhance road safety.

Connect 4 versus AI (University Project)

Designer and Developer

 2022

- Implemented using Python with libraries such as Pygame, NumPy, Random, Sys, and Match, this project centers on the development and deployment of the Connect 4 board game.
- The core of the project lies in the incorporation of an AI opponent. This AI leverages the minmax algorithm to make strategic moves, offering a challenging gaming experience. The project further enhances the player's enjoyment by creating an attractive graphical user interface, contributing to a dynamic and engaging gaming environment.

Stock Management System SMS

(University Project)

Designer and Developer

 2021

- Implemented using PHP, JavaScript, HTML, and CSS, this project involves the creation of a desktop-based Stock Management System (SMS) tailored for organizations, with a focus on a Grocery shop scenario.
- The project integrates data analysis techniques to identify trends, allowing for the application of discounts and combos on different product combinations.
- It features a user-friendly website for grocery items and prices, including cart management, user account creation, and an admin page for managers. A proper database management system (DBMS) at the backend stores and manages all information.

SKILLS

Technical

Front-End Development:

- JavaScript (ES6+)
- React.js, Redux
- Tailwind CSS
- Material-UI
- Three.js

Back-End Development:

- Node.js (Express.js)
- PHP
- Integrating with API
- Firebase

Database and Data Management:

- MySQL
- Firebase Realtime Database

DevOps:

- Git and GitHub

Soft

- Self-Motivated
- Problem-Solving
- Adaptability
- Good Communication
- Time Management
- Attention to Detail
- Quick Learner
- Efficient Working

RELEVANT COURSES

Computing Fundamentals

Computer Programming

Object Oriented Programming

Data Structure and Algorithm

Database Management Systems

Artificial Intelligence

Software Engineering

Software Project Management


Software Application for Mobile Devices


Engineering Ethics

EDUCATION

Bachelor Of Computer Engineering

Bahria University Karachi Campus

 Sep 2019 – July 2023

 Karachi, Pakistan