HAMZA TAHIR

Software Engineer | MERN Stack Developer

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PROFILE INFO

I'm a Software Engineer with strong problem-solving skills, team collaboration abilities, and a passion for coding. I specialize in building efficient front-end interfaces with React.js and handling back-end tasks using Node.js. My expertise in modern best practices makes me a great fit for this role.

COMPLETED INTERNSHIP AT THREE ARROWS

Build Crypto Website

- Utilized MERN stack technology.
- Integrated Bybit.
- Implemented a crypto payment gateway.
- Integrated a fiat payment gateway.
- Incorporated Subsum apis for KYC verification.

Other

During my internship, I worked extensively with third-party libraries, including Chargebee, where I developed features to pause and resume subscriptions. I also collaborated closely with team members to support project management and ensure seamless integration of payment functionalities.

PERSONAL PROJECT

Web Based Chat Application (2021)

click here to open website

- Used MERN Based Technology
- Used Socket.io module
- Only Authorised Person Allowed To Chat
- Have File Send And Emoji Option

Ecommerce With MERN (2022)

click here to open website

- Only authorized user can buy product
- User add rating to the product
- Include Admin Dashboard Admin can create product, delete product, update stock, delete user review from product
- Used React-redux
- Used Async await to handle data from database
- Other features include JWT Token, cookies, localStorage, nodemailer used in the project etc

EDUCATION

2018 - 2020 | G. C College FSD

FSC Pre-Engineering

Result: 81%

2020 - 2024 | G.C University FSD

Bachelor of Software Engineering

Result: 3.4/4

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

LANGUAGES

- English
- Urdu

FINAL YEAR PROJECT

Face Recognition Attendance Monitoring System with FaceNet on Android (2024)

The Face Recognition Attendance Monitoring System aims to address the challenges of traditional attendance tracking by implementing a robust solution that leverages the FaceNet model and Google's ML Kit. Here's an overview of the system's components and functionalities:

- **Image Capture:** The system uses the camera on Android devices to capture images of students in real-time.
- **Face Detection:** Google's ML Kit is utilized to efficiently detect faces within the captured images.
- **Face Recognition:** The FaceNet model generates unique face embeddings for each detected face, allowing the system to accurately identify and verify students.
- **Attendance Marking:** Once a face is recognized, the system automatically marks the student as present and records the data.
- **Data Management:** The attendance data is transmitted to a centralized web application developed using the MERN stack (MongoDB, Express.js, React.js, Node.js), ensuring effective storage, retrieval, and management.

SELF WORK EXPERIENCE 1 YEAR WITH

Worked with SQL, MongoDB, Node.JS, React.JS technologies to build an end to end solution for multiple projects.

Solving Coding Problem on HackerRank, Codechef and write efficient code with the help of data structure Techniques

CERTIFICATES

Python For EveryBody
At Coursera.org verified At:
click here to open certificates

ACHIEVEMENTS

Problem Solving(2021)
3 star on hackerRank

TOOLS

- ReactJS
- NodeJS
- Mongodb
- Sql
- C++
- Python
- Data Structure and Algorithm
- Android Development
- Visual Basic .NET