Hamza Hassan

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Profile

I am a final-year software engineering undergraduate with one year of hands-on experience in React front-end development. I possess strong problem-solving skills and excel in team collaboration. Additionally, I am a fast learner with excellent communication skills and a natural ability to build positive relationships with people. I am committed to continuous learning and leveraging my knowledge to develop innovative solutions that positively impact the team and organization. I also welcome constructive feedback openly and strive to improve my skills and abilities.

Professional Experience

Niftron (Pvt) Ltd, Software Engineering Intern

2021 Jul - 2022 Jul | Dehiwala, Sri Lanka

- GameR: A decentralized gaming app that leverages blockchain features such as NFT minting and decentralized identification (Apr-Jul 2022).
 - Implemented new screens and UI enhancements for GameR gaming client including the addition of new components with the use of React.
- DePro (Decentralized Profile): Build Instant Organic Trust DePro allows users to profile individuals, entities, and products using collective authentic information through blockchain to build verified profiles in a decentralized form (Jan-Apr 2022).
 - Worked on UI/UX flows and application development.
 - Created instructional walkthrough videos covering various tasks such as registration, login, profile information filling, and issuance and claiming of certificates.
- Nextentry KYC: Blockchain based Know Your Customer application that will verify and provide trust instantly for an unknown party when they onboard (Nov 2021-Mar 2022).
 - Worked on UI/UX flows, mockup designs, prototypes, application development and API integration.
- Exip-UI: Decentralized domain solution
 - Worked on creating a POC with the use of React and Redux (2021 Sep).
- HollaEx Mobile Crypto Exchanger
 - Debugged and integrated API v2 of HollaEx (Jul-Sep 2021).

Education

Informatics Institute of Technology, Tertiary Education

2020 - present | Colombo 06, Sri Lanka

BEng. (Hons) Software Engineering

- Coursework: Lucid Travel - Developed a user-friendly Sri Lankan travel destination website featuring an online store, interactive quiz, and photo gallery using HTML, CSS, and JavaScript for a group coursework.

S. Thomas' College, Secondary Education

2011 – 2019 | Mount Lavinia, Sri Lanka

GCE Advanced Level Examination (2019) - 5208718

- **Z-Score:** 1.4080

Projects

Mealometer, Final Year Project (IIT)

2022 Sep - 2023 May

A food image recognition and diet tracking system that uses an AI-based image processing model to allow users to track nutrition easily and promote understanding of proper nutritional needs for weight management.

- Technologies used: Python, OpenCV, Matlab, ReactJS, Flask, MongoDB, GitHub

News Seeker, Software Development Group Project (IIT)

2020 Sep – 2021 Apr

Collaborated on building a system with the use of natural language processing to identify real and fake news to allow users to know which is which when inputted into the system.

- Technologies used: React Native, Twitter API, News API, Firebase, MongoDB, GitHub

SocialScape, Personal Project

2023 Mar - 2023 Mar

Developed a full-stack social media application using React and MERN stack. The app allows users to upload posts, add/remove friends, toggle between light/dark mode, and like/dislike posts with a sleek and modern interface.

- Technologies used: React, MongoDB, Express.js, Node.js, HTML/CSS, GitHub



Skills

Languages

• HTML, CSS, JavaScript, Java, Python

Web Development

• ReactJS, NextJS, React Native, NodeJS

Database

• MongoDB, Firebase

GitHub (version control), Figma (UI/UX design)

References

Mr. Azeem Ashraf, Co-founder & CTO, Niftron (Pvt) Ltd azeem@niftron.com, 0765785123

Mr. Guhanathan Poravi, Senior Lecturer Grade I, Informatics Institute of Technology guhanathan.p@iit.ac.lk, 0773423330