MARIA ABBAS

SOFTWARE DEVELOPER

Experienced Software Engineer with 2 years of expertise in full stack development and software designing with an exceptional record. Recognized for innovative software development and elegant solutions, ensuring timely delivery. Dedicated to projects and skilled in leadership and collaboration, contributing to project excellence.

CONTACT

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EDUCATION

August 2018 - July 2022
FAST National University of Computer and Emerging Sciences, Karachi, Pakistan

Bachelor Degree of Computer Science
Bronze Medalist - 3.90

CORE COMPETENCIES

Technologies: React-Redux, Angular, React Native, Android Studio, Qt Designer, Nodejs, Expressjs
Database: MongoDB, Oracle, SQL, Firebase
Languages: C++, C, C#, Python, Java, JavaScript
Testing Frameworks: Mocha, Jest
Other: GIT, Agile/Scrum, RESTful API Design, Docker

PUBLICATIONS

Enhancing Cryptocurrency Price Forecasting Accuracy

- A Feature Selection and Weighting Approach with Bi-Directional LSTM and Trend-Preserving Model Bias Correction, IEEE Access, DOI: 10.1109/ACCESS.2023.3287888.

ACHIEVEMENTS

Rector's List, FAST NUCES
5th Semester, 6th Semester

Dean's List, FAST NUCES
1st Semester, 2nd Semester, 3rd Semester, 4th Semester

High Achievers Award
Habib University, Beacon House College

EXPERIENCE

October 2023 - January 2024
AlKanaf - Accounting and Auditing Website
FRONT-END DEVELOPER

- Independently designed and developed a user-friendly financial website using React and Material-UI and Emailjs.
- Successfully hosted the website on Netlify, alkanafconsulting.com

July 2022 - July 2023
10Pearls, LLC

FULL STACK DEVELOPER

- Developed and maintained the Stringr Project (www.stringr.com) on Ubuntu with React-Redux, Angular, and NodeJS. Actively fixed bugs and optimized performance.
- Created a REST API-driven feature for saving and creating request templates.
- Designed a feature for user-to-user video requests and PDF uploads.
- Implemented REST API functionality to fetch and display videos and request data with filters.
- Researched and optimized AWS CloudSearch for advanced keyword and date range filtering, enhancing query efficiency.
- Implemented unit tests for various files using Jest to ensure code quality and robustness.

July 2021 - June 2022
Cryptocurrency Price Prediction (FYP)

- Built a responsive website using ReactJS and SQL to display one day ahead price predictions for Bitcoin and Ethereum, generated by a machine learning model developed using LSTM.

January 2021 - May 2021
Facial Recognition for Criminal Detection

- Created an application that extracts human faces from live videos to match against a MongoDB database, aiding government efforts in detecting crimes and criminals, with a React Native frontend for an appealing user interface to upload videos.

January 2020 - September 2020
Points Tracking Application

- Created and managed a student bus tracking app on Google Playstore. Utilized Firebase Database and Android Studio to provide real-time bus tracking, as well as notifications for arrivals and departures.