Mohammed Muzakkir Fazal

E-mail: mmuzakkir244@gmail.com ✻ *Phone number:* +91 85200 66908
LinkedIn: linkedin.com/in/mdmzfzl
Github: github.com/mdmzfzl

Education

Bachelor's Degree in Computer Science — *Indian Institute of Inforation Technology, Sri City*
B. Tech Program — *August 2019 - May 2023*

Class XII — *Modern Middle East International School, Riyadh*
Mathematics, Science, Computer Science — *September 2017 - April 2019*
Percentage: 65%

Class X — *Modern Middle East International School, Riyadh*
CBSE — *September 2014 - May 2017*
CGPA: 8.4

Technical skills

Programming Languages/Tools	C, C++, Java, Python, JavaScript, MATLAB, HTML, CSS
Frameworks	React, Express, Node.js, Git
Databases	MongoDB, MySQL
Other	Rest API, Information Retrieval, Agent-based Modelling

Projects

D4Com (E-commerce Application)
Javascript, MongoDB, Node.js, React, Docker, Bootstrap
Built a fully functioning MERN Stack E-commerce application with features like product addition, product rating, review system, admin dashboard with inventory, orders, product management and a fully functioning PayPal payment system. Containerized in Docker and deployed on Heroku.

Joyn (Video Conferencing Application
Javascript, CSS, EJS, Node js
Video Conferencing Application implemented using peer to peer concept to implement completely server-less application.

FortunaCam(Random Number Generator)
OpenCV , Python , NumPy
Designed and developed random number generator by leveraging a true random seed obtained from the video camera as the primary source of randomness. Implemented the Fortuna algorithm using the PyCrypto library, incorporating the SHA-256 and AES algorithms for reliable and secure cryptography functions.

Blockchain based e-Voting scheme
Solidity, JavaScript
The proposed design is a ZKP(Zero-Knowledge Proof)-free, scalable blockchain-based voting system that utilizes the COMMIT-REVEAL mechanism and is built on the Polygon network. The design aims to address the limitations of traditional voting systems by providing a secure, transparent, and efficient solution.