Manuranga Jayawardhana

B.Sc. Eng. (Hons) in Computer Engineering (UG)

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ABOUT ME

I am a proactive and dedicated final-year Computer Engineering undergraduate with a strong aptitude for teamwork and problem-solving. I am an enthusiastic learner, eager to explore emerging technologies and apply innovative ideas to drive success and growth in any organization I contribute to.

EDUCATION

- **FACULTY OF ENGINEERING UNIVERSITY OF JAFFNA**　　　　　　　　　2021 - present
  B Sc. (Hons) in Computer Engineering Final Year Undergraduate

- **MO/KOULARAGAMA NATIONAL COLLAGE**　　　　　　　　　　　　　　2017 - 2019
  G.C.E. A/L Examination 2019 (New Syllabus), Z Score - 1.732

PROJECTS

STUDENT LOG | GitHub **|** Individual project | 2024

- Built a full-stack student management system with CRUD functionality and a responsive interface.
- Improved data management and user experience using React, Spring Boot, and MySQL.
- **Technologies:** Java Spring Boot, React.js, MySQL, Postman, GitHub, Full Stack

JOBHUB | GitHub **|** Individual project **|** On going

- Built a REST API for job listings, companies, and reviews with Docker and PostgreSQL.
- Gained experience about microservices. Ongoing frontend integration.
- **Technologies:** Spring Boot, Spring Boot MVC, JPA, H2, PostgreSQL, Docker, Spring Boot Actuator, Back End

CINEMASPHERE | GitHub **|** Individual project | 2024

- Built a movie review app with a decoupled architecture for scalable client-server interaction.
- Gained experience in full-stack development with MongoDB, Spring Boot, and React.
- **Technologies:** MongoDB, Java, Spring Boot, React, Bootstrap, Postman, Full Stack

UNIVERSITY EXAM HALL BOOKING SYSTEM | GitHub | Group project | 2024

- Developed an Exam Hall Booking System with user management and Outlook integration.
- Gained front end development experience using React.js and interact with .Net.
- **Technologies:** HTML, CSS, JavaScript, C#, React.js, .NET Core, Web API, Bootstrap, MySQL (Azure), MS SQL Server, Jira, Postman, GitHub, Figma, Full Stack
- **Contribution:** Developed the front end using React.js, implementing user interface components.

DECENTRALIZED LEDGER TECHNOLOGY FOR IMMUTABLE VEHICLE HISTORIES (Group project **|** Ongoing)

- **Final Year Research Project**
- Developing a blockchain-based system for secure, tamper-proof vehicle history tracking, ensuring data immutability, traceability, and fraud prevention in the vehicle market.
- **Technologies:** Blockchain, Ethereum, Smart Contracts, Node.JS, React, Web3js

TECHNICAL SKILLS

- **Languages**   Java, Python, C++
- **Frameworks**   Spring Boot
- **Web Development**   ReactJS, HTML, CSS, JavaScript
- **Cloud**   AWS, Google cloud
- **Database**   MySQL, PostgreSQL, MongoDB
- **Other tools**   Git, GitHub, Docker, Jira, Figma
- **Testing**   Postman, Junit
- **Data Science & AI** Machine Learning, Deep Learning, Artificial Intelligence, Data Mining

SOFT SKILLS

- Excellent Communication
- Excellent Team Work
- Leadership
- Time Management
- Problem Solving
- Adaptability

LANGUAGES

- **English:** Full working proficiency
- **Sinhala:** Native language

COMPETITIONS

- IEEE Predicta1.0   2024
- ACES Coders   2024
- MORAXTREAM 9.0   2024

CERTIFICATIONS

- Introduction to Web Development with HTML, CSS, JavaScript   2023   IBM - Coursera
- Developing Front-End Apps with React   2024   IBM - Coursera
- Python for Data Science, AI & Development   2024   IBM - Coursera
- Introduction to NoSQL Databases   2024   IBM - Coursera
- Building Scalable Java Microservices with Spring Boot and Spring Cloud
                                                               2024   Google Cloud - Coursera

EXTRA CURRICULAR ACTIVITIES

- CES member
- ESU Executive Member
- Cricket team member

REFEREES

Dr. (Mrs) J. Jananie Segar

Senior Lecturer Grade II,

Department of Computer Engineering,

Faculty of Engineering, University of Jaffna

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