



## Contact

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### Github

<https://github.com/fabianmadhu>

### Portfolio

<https://fabianmadhu.github.io/portfolio/>

## Education

**BEng (Hons) Software Engineering**  
2020-2024

INFORMATICS INSTITUTE OF  
TECHNOLOGY(IIT)

### Advanced Level

St Peter's College Colombo- 04

### Ordinary Level

St Peter's College Colombo- 04

## Tech Stack

### Languages

- JavaScript (Node.js)
- Java
- Python
- PHP
- HTML/CSS

### Frameworks

- Springboot
- Angular
- React
- Express.js

# FABIAN MADHUSHAN RASANAYAGAM

## BEng (Hons) Software Engineering

A highly motivated and passionate Software Engineering graduate with 1 year of hands-on experience as a Software Engineer. Skilled in full stack development, with strong problem-solving abilities and a keen eye for detail. I am eager to apply my technical knowledge, project management experience, and collaborative mindset to contribute to innovative software solutions. Seeking a software engineer role where I can continue learning, grow professionally, and make a meaningful impact in the development of cutting-edge applications.

## Experience

### September 2022 –September 2023

SimCentric Sri Lanka

#### Software Engineer Intern

- **Full Stack Development:** Utilized Angular, Node.js, Java, MongoDB, and Git for end-to-end development.
- **Feature Implementation & Enhancement:** Identified and optimized existing features for improved system performance and project alignment.
- **Bug Resolution:** Identified and resolved software bugs through thorough debugging and collaboration with cross-functional teams.
- **User Interface Enhancement:** Enhanced UI for improved user experience, incorporating feedback and ensuring responsiveness.
- **Project Management:** Managed tasks and tracked project progress using Jira, ensuring timely milestones and goal alignment.

## PROJECTS

### Involved in development of military training application ( Internship)

a comprehensive 3D tool facilitating range safety, planning, visualization, and risk assessment for military training. Involved in full stack development, primarily focused on feature implementation, enhancement, UI enhancement and bug fixing.(MEAN stack, java, Git, Jira)

#### Task Management App | MERN Stack

Developed a task management web application using React for the front-end, Node.js for backend, and MongoDB for data storage. Implemented features like task creation, status updates, user authentication, and real-time updates with Socket.IO. Focused on creating a user-friendly interface with React and ensuring seamless backend integration.

#### Biomedical Text Summarizer| Machine learning project

Developed an NLP-based text summarization tool to condense complex biomedical texts, aiming to reduce factual inaccuracies. Implemented algorithms to extract key information and generate concise summaries for improved accessibility and comprehension within the biomedical field. (python)

#### Educational Gaming Application for kids | Gaming application(Unity)

##### CODERALLY 6.0 WINNING PROJECT

Designed and Developed 'VARK Math' an educational gaming application with the user's preferred learning style and interesting gamification techniques. VARK Math is an app developed to teach and learn mathematics for kids in their own preferred learning style (VARK model). It is built by unity game engine and used AR technology.(UNITY, C++, GitHub)

#### Technical Question-Answer support web application

Developed a technical question-and-answer web platform utilizing MVC architecture, PHP(CodeIgniter) for backend, and Backbone.js for frontend, featuring user authentication, content discovery, and reputation system functionality.(PHP,SQL, CodeIgniter, backbone, ajax. jQuery rest api)

Database

- MongoDB
- SQL

Version Control

- Git
- Bitbucket

Language

- English
- Tamil
- Sinhala

Skills

- Proficient in MEAN stack development.
- Strong understanding of Object-Oriented Programming (OOP) and concurrent programming concepts (java).
- Knowledgeable in data structures.
- Experienced in version control systems.
- Familiar with basic cybersecurity principles.

Ticketing management system | java

Developed ticket management system primarily focusing on concurrent programming. Used concurrent programming(Thread management) and OOP concepts to build the system.

Hotel Management System| java

Developed hotel management system using java programming language.

Model Retail database driven web application

Designed and developed a model Retail database-driven Web Application using PHP and SQL.



Interests

Reading Books  
Movies  
Chess  
Badminton

References

Ms. Sapna Kumarapathirage  
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