

KETHEESWARAN ABIVARSAN

Software Engineer Intern

📍 Moratuwa, Jaffna

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🌐 abivarsan.github.io

Personal profile

Experience in full-stack development, gained through coursework and a significant software project, using agile methodologies. Motivated to learn and contribute, seeking an internship to enhance technical expertise, collaborate with professionals, and contribute to impactful software solutions.

Education

University of Moratuwa

BSC(Hons) Information Technology and Management

March 2022 – Present

Katubedda, Moratuwa

St. John's College

G.C.E A/L Physical Science Stream

January 2011 – August 2019

Chundikuli, Jaffna

Technical Skills

Programming Languages: Java, C, C#

Web Technologies: HTML, CSS, Javascript, Typescript, Material UI, Tailwind CSS(Beginner), Three.js(Beginner)

Mobile Technologies: Flutter(Beginner)

Frameworks: React.js, .NET

Database: MS SQL, MySQL

Cloud Services: Firebase

Version Control: Git

IDEs and Tools: Vs code, Visual Studio, IntelliJ, GitHub, Postman, Code Blocks

Projects

Uni Tutor Platform — 2nd Year Software Project | *Frontend Repo* | *Backend Repo*

2024

- Collaborated with a team of five to design and develop the Uni Tutor Platform, connecting students with university lectures and undergraduates to enhance learning. Built key features including user registration, profile, subject management, and a chat system. Utilized advanced tools to implement search and filter options, review and rating systems, a coin bank, and sections for comments, to-dos, and friend invitations.
- **Contribution: Built Admin Dashboard**, Developed and implemented admin maintenance features to verify tutors by their university ID for platform access. Built functionalities to suspend, restore, and remove users, and to view platform comments and individual user details. Analyzed user reports and utilized charts to assess platform performance and trends.
- **Technologies:** React.ts, .NET, MS SQL, Firebase

Workforce management system — 3rd Year Software Project(Ongoing)- Individual

2024

- **Efficiently** developing a comprehensive Workforce Management System that **seamlessly** integrates features like time tracking, task management, video conferencing, and performance analytics.
- **Proactively** incorporating specific functionalities from tools like Asana, Trello, and Slack to **effectively** manage tasks, communications, and team collaboration in one unified platform.
- **Successfully** implementing real-time updates, mobile access, and smart features such as AI-driven task assignment, enhancing productivity and team management for work forces.
- **Technologies:** React.ts, .NET, MS SQL, Firebase,Flutter

Automated coffee making machine — 1st Year Hardware Project | *Machine code Repo*

2023

- Collaborated with a team of four to **efficiently** design a system that **automatically** prepares and serves tea based on the selected type (strong, medium, plain). **Significantly** enhanced automation and **greatly** improved the user experience..
- **Contribution: Designed PCB, Developed the cup dispenser mechanism**(Modified a separator wheel using Blender ,Integrated a belt system that smoothly delivers the separated cup to the customer's hand.)
- **Technologies:** Arduino Mega, C, Blender, Proteus, Atmel Studio

Soft Skills

- Verbal Communication
- Problem Solving
- Attention to Detail
- Responsiveness
- Team Work

Languages

- English(Professional Working Proficiency)
- Tamil(Native)

Interests

- Web Development
- Playing Esports Games
- Browsing Internet
- Playing Football

Extracurricular Activities

Science Union

2018

Secretary

St.John's College,Jaffna

- Maintained the logbook, arranged meetings, and prepared members for the Science Day event.

St.Johns Ambulance

2018

Secretary

St.John's College,Jaffna

- Maintained the logbook, arranged meetings, and assigned medical support duties during sports meets and other events.

HackMoral 6.0

2024

Participation

INTECS,Batch21,FIT,UOM

- Successfully participated in Hackmoral 6.0, **actively** and **efficiently** solving a set of challenging problem-solving questions, ranking within the top 40 participants by **consistently** demonstrating strong problem-solving skills and **diligently** approaching each task .

References

Dr. Lochandaka Ranathunga

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