

ABIVARSAN KETHEESWARAN

Software Engineer Intern

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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, ThreeJs(Beginner)

Frameworks: React, ASP.NET Core, Spring Boot

Database: MS SQL, MySQL

Cloud Services: Firebase

Version Control: Git

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

Projects

Uni Tutor Platform — 2nd Year Software Project | *Front-end* 🐙 | *Back-end* 🐙

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 with TypeScript, ASP.NET Core, MS SQL, Firebase

Microservice Architecture related project | *Front-end* 🐙 | *Back-end* 🐙

2024

- Collaborated in a team of six to develop an e-commerce enterprise application named TECHHUB using a microservices architecture. The project featured key microservices, including user management, product management, order processing, inventory, notifications, delivery, and tracking, along with Kafka for notifications, Stripe for payments, and microservices integration.
- **Contribution:** Conducted thorough testing of all services using Postman, integrated databases for all microservices, and set up the API Gateway. Played a key role in the design, implementation, and maintenance of the order service, including features like charge, place order, complete order, and tracking. Configured Kafka messaging for notifications and integrated the Stripe payment gateway for seamless transactions.
- **Technologies:** ReactJs, Spring Boot, My SQL, Firebase, Docker, Kafka, Zookeeper

Personal Website — Portfolio | *GitHub* 🐙

2024

- **Developed a personal portfolio website** featuring an overview section, downloadable CV option, education and projects showcase, and a contact section with automated email functionality using EmailJS, with engaging 3D visuals for enhanced user experience.
- **Technologies:** ReactJs, ThreeJs

- **Developing** a comprehensive platform integrating features like time tracking, task management, video conferencing, and performance analytics, inspired by tools like Asana, Trello, and Slack. Includes real-time updates, mobile access, and AI-driven task assignment to enhance productivity and streamline team collaboration.
- **Technologies: React with TypeScript, ASP.NET Core, MS SQL, Firebase**

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.

Industry visit and organizing team buliding event

2023

*Organizing Committee**Creative Software, Colombo*

- Collaborated in organizing a team-building event at Creative Software, fostering teamwork and engagement among interns while enhancing interpersonal and event coordination skills.

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.

Monthly code surge

2024

*Participation**Pagero*

- Participated in Code Surge by Pagero, a monthly coding challenge focused on front-end development using JavaScript, HTML, and CSS without frameworks or libraries.

AlgoXplore 1.0

2024

*Participation**NSBM Green university*

- Participated in a unique hybrid Capture The Flag (CTF) and coding competition, solving cybersecurity challenges to unlock coding problems, enhancing skills in both cybersecurity and competitive programming.

Mind Meld

2024

*Organizing Committee**University of Moratuwa*

- Successfully organized a knowledge-sharing event featuring presentations by experts from leading IT companies in Sri Lanka, covering critical topics such as contemporary recruitment challenges, knowledge retention and sharing, project and change management, and diversity, equity, and inclusion (DEI) in the IT sector.

References

Dr. Lochandaka Ranathunga, Senior Lecturer

Faculty of Information Technology

University of Moratuwa

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Poornima Muthukuda, Lecturer

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