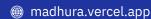# Madhura Jayashanka
Software Engineer Intern

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in madhurajayashanka   ⬛ madhurajayashanka   ▶️ madhurajayashanka   ▶️ madhurajayashanka

Open Source

React UI Package (npm) 🔗

Technical Skills

Programming Languages
- Java
- C
- TypeScript
- Python

Frontend Development
- NextJS
- Angular
- ReactJs

Backend Development
- Express.js
- NestJS
- Gin
- Serverless Framework
- Spring Boot

Mobile Development
- React Native
- Flutter
- Swift

Databases
- PostgreSQL
- MySQL
- MSSQL
- MongoDB
- DynamoDB

Cloud Providers
- AWS
- Firebase

Containerization
- Docker

Testing
- Postman
- Jest
- Swagger

Version control
- GIT

DevOps Tools
- GitHub Actions
- Jenkins
- Terraform

About me

I am an IT undergraduate passionate about creating solutions that drive societal change. Seeking a **Software Engineer Intern** position to enhance work environments and further develop my skills. Eager to apply my knowledge and learn from industry professionals while contributing to impactful projects.

Education

University of Moratuwa — 2022 - 2026
B.Sc. (Hons) in Information Technology and Management
CGPA - 3.83/4.0 (Up to L2S1)
L1S1 - 4.00 (Dean's List)
L1S2 - 3.93 (Dean's List)
L2S1 - 3.68

Institute of Software Engineering — 2021 - 2022
CMJD Professional

Richmond College, Galle — 2018 - 2020
A B B (1.9009)

Kularathna National College, Ambalangoda — 2012 - 2017
9A's

Experience

Software Engineer Intern — Jun 2024 - Sept 2024
Macro Labs (Derana)

- Contributed to an ongoing microservices project
- Developed front-end applications using Next.js
- Implemented and maintained backend services with Go and NestJS
- Utilized AWS services for cloud infrastructure and deployment
- Gained hands-on experience in software engineering best practices and DevOps practices

NextJS, NestJS, GO Lang, AWS, Micro-Services, ArgoCD, Qodana

Projects

Geo-Fenced Attendance and HR System
L2 Project
Mentored by 99X
Oct 2023 - May 2024

Role: Full Stack Developer

A Cloud Native, web and mobile application with a serverless backend with 2 micro-services integrated with a CI/CD pipeline with automated test cases to Geo-Fenced Attendance Marking & HR Management.

Angular, Serverless Framework, Node.js, GitHub Actions(CI/CD), Jest, AWS (lambda | DynamoDB | S3 | Amplify | API Gateway | CloudFormation/ CloudFront)

Operating Systems
  Linux
  MacOS
  Windows

Project Management
  GitHub Projects/ Issues
  ClickUp
  Trello

Other Tools
  Photoshop
  Premiere Pro
  Davinci Resolve
  Blender

Languages

Sinhala (Native)
English (Proficient)
German (Basic Knowledge)

Certifications

Supervised Machine Learning
AWS Cloud Practitioner
Google Cloud Fundamentals

Interests

Social Entrepreneurship
Knowledge Sharing
Blogging
YouTube (Content Creation)
Photography
Swimming

Volunteer

DevLabs
MoraSpirit
IEEE Student Chapter
SEDS Mora (Satellite & IT)

References

DR.(MS) GANEGODA G.U
Senior Lecturer
Dept. of Interdisciplinary
Studies Faculty of IT
University of Moratuwa
Tel: (+94) 71 996 8294
Email: upekshag@uom.lk

Mr. Chameera Dulanga
Assoc. Technical Lead @ 99x
AWS Community Builder
Visiting Lecturer
Tel: (+94) 77 410 2800
Email: chameeraD@99x.io

Projects (Cont'd)

RiseUpMora Internship Platform
Role: Full Stack Developer

IEEE UoM
Jul 2023 - Aug 2023

A platform to automate submitting resumes, select companies, face interviews, get feedback from companies and allocate students for companies, manage interviews for admins and give feedback, and mark attendance for companies for 1000+ traffic.

ReactJs, Firebase, TypeScript, MUI

Hostel Management System
Role: Front End Developer

UoM Welfare Division
May 2023 - Present

A platform to digitize the hostel application process for students and the room allocation and application management process for welfare division staff that was previously done manually.

ReactJs, Express.js, MySQL, Bootstrap

Sri Lanka University Games App
Role: Web Frontend, Mobile Frontend Developer

MoraSpirit
Jun 2023 - Oct 2023

An iOS and Android app allows viewers to watch live scores, access previous scores, and view upcoming games between universities. And a web portal for the news team to update scores in real-time for 20+ games.

React Native, ReactJs, Firebase, MySQL

Safety Black Box Unit for Vehicles
Role: Full Stack, IOT Developer

L1 IoT Project
Sept 2022 - May 2023

A Security Unit for cars designed to track real-time location with a visualized Map, report incidents, monitor real-time vehicle data (such as speed, fuel levels, and braking patterns) with charts, and seamlessly connect with a real-time updating web and mobile app.

Arduino, ReactJs, Firebase, Flutter, ThingSpeak, Blender, Proteus

Shop Beast: E-Commerce Project
Role: Full Stack Developer (Individual)

IJSE Final Project
Nov 2021 - Feb 2022

A web-based full-stack application designed for both shop owners and buyers, providing a platform for selling electronics.

Angular, Spring Boot, MySQL, Spring Security, Spring Data JPA

Achievements

AWS Community Day Sri Lanka Quiz Winner
Won AWS Swags and Credits as Prize

OpenHack 2.0 - *3rd Place*
12-Hour Hackathon organized by IIT on Premises.

RealHack 4.0 - *Top 15*
Hackathon and developed a Full-Stack Application within 24 hrs Org. by UoK.

HacktoberFest - *2022 & 2023 - 2 times Swag Winner*
Contributed to open-source projects and received limited-edition Swags.

Extra-Curricular

IEEE Student Chapter University of Moratuwa
Jul 2022 - Present
- RiseUpMora Web Team Lead
- MoraXtreme 7.0 Organizing Committee

DevLabs
Jan 2023 - Present
- Origin Member / Full Stack Developer

Enlear
Feb 2024 - Present
- Technical Writer