



# Shanuka Lakshan

Associate Software Engineer  
BSc Engineering (Hons) Computer Science and Engineering  
University of Moratuwa.

## CONTACT ME

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[Portfolio](#)

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[GitHub Profile](#)

[StackOverflow Profile](#)

## EDUCATION

BSc Engineering (Hons) Computer Science and Engineering  
University of Moratuwa  
GPA - 3.11/4.0

## PERSONAL DETAILS

- Birthday : 1998/11/26
- Marital status : Single
- Nationality : Sri Lankan

## SKILLS

- Agile Development
- Team Management
- Good Self learner
- Project Management

## PROFILE

Experienced in software engineering and project management through roles as a Lead Frontend Developer, Associate Software Engineer, and Intern Software Engineer, with expertise in developing scalable solutions, cloud computing, machine learning, and DevOps, and a strong passion for coding, design, and technology, adept at adapting to new advancements in team environments.

## WORK EXPERIENCE

**Associate software Engineer** 2023 May - Present

### Tecoora | Australia

Associate Software Engineer, developing iOS and Android apps with React Native and Redux in an Agile environment. Now leading web and mobile application development, providing technical leadership, and delivering scalable solutions.

**Tools :** AWS, CloudFront, S3, Route53, React, Typescript, SCSS, Redux, Jenkins, CI/CD, React Native, AppStore

**LEAD Frontend** 2024 May - Aug

### The Job Helpers | USA

Provided technical leadership for frontend developers at The Job Helpers Company, driving the development of scalable, AI/ML-integrated web applications using Agile methodologies.

**Tools :** AWS, CI/CD, ECR, ECS, Docker, Jira, CloudFront, S3, Route53, NextJs, Typescript, SCSS, Redux

**Intern software Engineer** 2023 Nov - 2024 May

### Sysco LABS PVT LTD

During my internship at Sysco LABS PVT LTD, I spearheaded the development of full-stack projects from inception to deployment. This involved architecting Microservice-architecture based solutions, including React Single SPA Micro Frontends, Java Spring Boot Microservices, and Node TypeScript BFF layer, all built from scratch. Operating within an Agile framework, project management using Jira while ensuring seamless integration through Continuous Integration and Continuous Deployment (CI/CD) pipelines orchestrated with Jenkins. Rigorous testing was conducted using Jest to guarantee robustness before deploying applications onto AWS services. This hands-on experience honed my expertise across the entire software development lifecycle.

## TOOLS

### CICD

- Jenkins
- GithubActions

### MICRO FRONTEND

- React
- NextJs
- VueJs

### MICRO SERVICES

- Node
- SpringBoot
- Python

### LANGUAGES

- JavaScript
- Typescript
- Java
- Python

### Mobile

- React Native

### Databases

- MySql
- Postgres
- MongoDB
- AWS RDS

### AI & Cloud

- AWS services
- GCP services
- VertexAI
- OpenAI

## REFERENCES

### Dr. S.J.Sooriyaarachchi

Senior Lecturer  
University of Moratuwa  
+94 77 669 1011  
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### Dr. Kutila Gunasekera

Senior Lecturer  
University of Moratuwa  
+94 77 142 3877  
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### Dr. Thanuja D. Ambegoda

Senior Lecturer  
Department of Computer Science &  
Engineering  
Faculty of Engineering, University of  
Moratuwa, Sri Lanka.  
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## AI / ML Experience in Sysco LABS

I have actively contributed to AI projects, focusing on development and optimization by researching AI algorithms, experimenting with various models, and collaborating with teams to efficiently achieve project goals.

## INDUSTRY & ACADEMIC PROJECTS

### PEO TV App [ Supervisor : Dr. Kutila Gunasekara ]

› An Android app running on SLT PeoTV smart TV boxes (STB) is supposed to improve user viewing experience.

**Tools :** React Native, Node, Firebase, MySql, AWS EC2, CI/CD

### IESL Robogames 2023 [ Supervisor : Dr. S.J. Sooriyaarachchi ]

› Webmaster for IESL-Robogames 2023 Web development team. This was created for the Robogames 2023 Challenge with IESL.

<https://robo.cse.mrt.ac.lk>

**Tools :** React, Typescript, SFTP

### MERCON 2023 Research Conference Website

› [ Supervisor : Dr. S.J. Sooriyaarachchi ]

Scrum Master for MERCON 2023 Research Conference held in University.

<https://mercon.uom.lk>

**Tools :** HTML, SCSS, Java Script, UOM VPS

### EXMO App

› An Android app develop related to the EXMO 2023 Re-energize Sri Lanka program of the University of Moratuwa.

<https://exmo.uom.lk/app>

**Tools :** React Native, Firebase, Figma

### Realtime GPS Data Processing and Performance Monitoring of Buses

› Improve the performance and reliability of our public transportation system using real-time GPS data in Kandy to Katugasthota and Kandy to Digana route buses.

**Tools :** Python, Machine Learning, React, Kaggle

### Depresio

› An AI-powered virtual mental consulting system. The system uses NLP and ML techniques to provide personalized mental health support through modules such as emotion recognition, personalized therapy recommendations, chatbot-based counseling, mental health prediction, and virtual peer support groups.

**Tools :** React, Python, Machine Learning, Kaggle

## LEADERSHIP SKILLS

### Batch representative

**2022 - Present**

Faculty of Engineering, University of Moratuwa.

## AWARDS & SPORTS

In 2021, the Ideo-crats team and reached the semi-finals in the University Open Category with our groundbreaking i Driver app.

Inter University Championship 2022

University of Moratuwa Colors holder **UNIVERSITY COLORS AWARD 2022.**