



# Jathishwarya Venugopal

## Software Engineer

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## About Me

A highly motivated, results-driven individual with strong problem-solving skills and a passion for impactful software solutions. Completed a **6-month internship**, gaining hands-on experience in software development, enhancing technical skills, and understanding industry best practices. Seeking a **Software Engineer** role to apply my expertise, collaborate effectively, and contribute to organizational success while embracing continuous learning.

## Experience

### NCINGA PTE LTD 🌐

Mar – Sept 2024

- CEFT ComBank Reconciliation Project (Payment Processing and Reconciliation)
  - Developed **RESTful APIs using Spring Boot** for transaction processing and reconciliation.
  - Designed and developed frontend UI using React JS, TypeScript, and Redux for a seamless user experience.
  - Resolved build errors and prepared the system for the UAT environment
  - Integrated **Docker and NGINX** for scalable deployment in a microservices environment.
- CSG Digicel Captive Portal Project
  - Developed multi-tenant authentication portals with role-based access.
  - Worked on **API testings** using Postman.
  - Created and integrated REST APIs for subscriber management using Spring Boot and MongoDB.
- Configured NGINX as a reverse proxy and load balancer for frontend services.
- Worked in an **Agile/Scrum environment**, participating in sprint planning and daily standups.
- Managed GitHub repos, pull requests, and code reviews ensuring a smooth development workflow.
- **Containerized applications** using Docker improving deployment efficiency.

## Education

### University of Moratuwa 🏛️

June 2021 – Present

BSc. (Hons) in Information Technology

CGPA: 3.45/4.2

### J/Vadamaradchy Hindu Girls' College, Jaffna

Jan 2017 – Aug 2019

Combined Mathematics - A | Chemistry - A | Physics - C

General English - A

## Technologies

**Languages :** Java, JavaScript, C

**Databases :** MSSQL, MySQL, MongoDB

**Web Development :** HTML, CSS

**Frameworks :** Spring Boot, React.js, Node.js, Bootstrap

**AWS Services :** S3, API Gateway

**Tools :** Docker, Git, Postman, Selenium, NGINX

## Projects

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### AI-Driven Comprehensive Emotion Analysis System

- Developed a Video Emotion Recognition (VER) module to detect emotions from video inputs.
- Extracted and analyzed facial features and temporal patterns to classify emotions accurately.
- Integrated attention-based feature selection and fusion methods to improve performance.

### Real-time chat application

- Done a full-stack chat application using modern web technologies, featuring real-time messaging and user authentication.
- **Tech Stack:** React.js, Node.js, MongoDB, Socket.io, JWT

### Supermarket System with Microservice Architecture

- Developed a microservices architecture with Spring Boot, integrating Eureka for service discovery, and an API Gateway for secure routing.
- **Tech Stack:** Java, Eureka, API Gateway

### Employee Performance Reviewing System (EPRS)

- This is a web based project that helps to review the performance of employees in different departments of the company (Eg: Developer, Project Manager, QA, Techlead). This application includes main functionalities such as Dashboards, Leader board module, User Authentication and Feedback & Announcements.
- **Tech Stack:** Node.js, Express.js, React, MongoDB, GitHub, VS Code, Jira, Postman

## Achievements and Participations

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- UoJCoders v3.0 | Finalist - 2024
- Real Hack 4.0 | 78th Place - 2023
- Code Reviver 2.0 | 6th Place - 2023
- HackMoral 5.0 | Ranked 24 - 2023
- Code Rush | Participated - 2022
- Next Gen Orator (Speech Olympiad) | 1st Runner Up - 2022

## Extracurricular Activities

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- MTutor Organizing Committee - Member (Mathematics Society - University of Moratuwa)
- Member - AIESEC in Colombo South (2022-2023)
- Volunteer - Career Fair(Are You Ready - 2023)
- Member - IEEE Student Branch, University of Moratuwa
- Senior Prefect - J/Vadamaradchy Hindu Girls' College (2018/2019)

## References

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**Dr. Supunmali Ahangama**  
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