



SANJULA KUMARASINGHE

UNDERGRADUATE- COMPUTER SCIENCE & ENGINEERING
UNIVERSITY OF MORATUWA, SRI LANKA

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SKILLS

- Programming Languages:**
Java | JavaScript | Typescript | Python
- Technical Fields:**
Full Stack Development | Machine Learning | Web Security
- Databases:**
MySQL | PostgreSQL | MongoDB
- Tools & Services:**
AWS | Git | Terraform
- Frameworks/Libraries:**
ReactJS | Spring Boot | Spring Security | ExpressJS | AngularJS | REST API | GraphQL | JWT

CERTIFICATIONS

- Coursera Certificate on Generative AI with Large Language Models

REFERENCE

Dr. Thanuja D. Ambegoda
Senior Lecturer
University of Moratuwa, Sri Lanka
Phone: +94 (70) 26 55 273
Email: thanujaa@uom.lk

Mr. Amila Manathunga
Head of Engineering
GTN Technologies (Pvt) Ltd.
Phone: +94 (77) 336 2792

EXTRA-CURRICULAR

- Senior Prefect at school, demonstrating leadership, discipline, and responsibility.
- Charter Member of the Lions Club of Veyangoda Vanguard, actively involved in community service and youth engagement.



PROFILE

Curious and committed Computer Science undergraduate skilled in modern web and backend development, with a mindset geared toward continuous learning and innovation.



WORK EXPERIENCE

- University of Moratuwa** 2025 JAN- PRESENT
Teaching Assistant
- Assist first-year students in the Program Construction module supporting continuous assessments, conducting viva evaluations, and helping address learning gaps through concept clarification and guidance
- GTN Technologies (Pvt) Ltd** 2023 Nov - 2024 May
Software Engineer Intern
- Contributed to the development of RUBIX, the company's main trading application using Angular, ReactJS, and Spring Boot, with features like SSO, i18next, Node scripts, and custom widgets.
 - Worked in an agile team using Jira, AIO Test, and GitLab for collaboration, testing, and version control.



PROJECTS

- Ultra-Fast Spectral Matching for Protein Identification**
- Developed a scalable application for diaPASEF spectral matching using Siamese networks, enabling fast and accurate protein identification with composite indexing and vector databases.
 - Tech Stack:** Python, PyTorch, AlphaTims, AlphaPeptDeep, FAISS, Panel, ReactJS
- Smart POS for Supermarket**
- Developed an online POS system with inventory, employee, and sales management features for supermarket operations.
 - Tech Stack:** ReactJS, Spring Boot, Spring Security, Spring Data JPA, PostgreSQL, GraphQL API, REST API, JWT
- E-voting system**
- Built a secure online election system using cryptographic techniques to secure the voting process.
 - Tech Stack:** ExpressJS, MongoDB, React Native, REST API
- Club Website for Lions Club of Veyangoda Vanguard**
- Developed a full-stack, responsive web application with dynamic blogging and content management.
 - Tech Stack:** ReactJS, Node.js, MongoDB, JWT, REST API, TailwindCSS, AWS S3



EDUCATION

- BSc. Engineering (Hons) in Computer Science & Engineering**
University of Moratuwa 2021 - 2025
- AAT Sri Lanka Level 1 & 2**
NMPI New Montana, Gampaha 2019 - 2020
- Bandaranayake College Gampaha**
G.C.E A/L 2019: 3As (Physical Science) District Rank : 8 2010 - 2019
G.C.E O/L 2016: 9As