

LASITH DISSANAYAKE

Associate Software Engineer

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<https://lasith.netlify.app/>



EDUCATIONAL BACKGROUND

Materials Science & Engineering (Final Year UG)

University of Moratuwa (2021 - Present)

- CGPA - 3.50 (Dean's List - Semester 5,6,7)
- Reading for a Minor in Pattern Recognition
- Working on the FYP based on Machine Learning

Kingswood College, Kandy (2005 - 2018)

- GCE O/L Examination - 8A, 1B (English Medium)
- GCE A/L Examination - 2A, 1B (Sinhala Medium)

EXPERIENCES

• Associate Software Engineer

Snap86 Labs (Contract: Present)

- Developing **CaptionAI**, an Android mobile application that generates shareable social media captions based on the uploaded photos.

• Web Manager

SOMES (2024 - Present)

- **Leading a team of 4**, on developing and maintaining the **official website** for the Department of MSE of University of Moratuwa

• Internship

Michelin Lanka (Pvt) Ltd. (2023 Feb - 2024 May)

- Participated in the mandatory Materials Science and Engineering related internship and initiated automation projects utilizing **Excel (VBA)** and **Python**.

SKILLS

- Leadership
- Teamwork
- Problem-Solving
- Communication skills
- Programming

TECH STACK

- | | |
|---------------|----------------|
| • HTML | • Next.js |
| • CSS | • Kotlin |
| • JavaScript | • Python |
| • Bootstrap | • Blender (3D) |
| • TailwindCSS | • GIt |
| • React | • GitHub |

CERTIFICATIONS

- Career Essentials in Software Development by Microsoft and LinkedIn
- HackerRank Skill Certificate - Python
- Responsive Web Design - FreeCodeCamp
- React with Redux Tutorials: Mastering Modern Web Development - Udemy (in progress)

PROJECTS

MSE Careers Day 2025 - Official Website

Tech Stack - Next.js, Tailwind CSS, Vercel, Cursor IDE

Developed and launched the **official website** for the Materials Science & Engineering **Careers Day 2025**. The responsive platform spotlights **event information**, **sponsors**, and a **student directory** with **skills**, **social profiles**, and **internship experiences**. Strategically designed to enable **recruiters to discover** potential candidates based on their interest areas. Utilized **AI code editors** and **prompt engineering** as well.

Github - github.com/DissanayakeLYB/MSE-Career-Fair

Demo - careersday-mse.com

Personal Portfolio Website

Tech Stack - HTML, CSS, JavaScript, Netlify

Designed and developed a **responsive portfolio** hosted on Netlify to showcase my **web development** and **AI/ML** projects, coding skills, and professional journey. The site features interactive **project demos**, integration with GitHub links, a **downloadable resume**, and a **contact section** built to facilitate networking, demonstrate capabilities, and support career growth.

Github - github.com/DissanayakeLYB/Portfolio-Lasith

Demo - lasith.netlify.app/

ChatPDF Wrapper

Tech Stack - HTML, CSS, JavaScript, ChatPDF API, Netlify

Built a **frontend** by wrapping the original ChatPDF API, enabling users to upload PDFs and engage in natural-language conversations within a **clean and responsive web interface**. Leveraged **ChatPDF backend API** to handle document and **real-time chat options**.

Github - github.com/DissanayakeLYB/Portfolio-Lasith

Demo - chatpdf-wrapper.netlify.app

MSE UoM – University Materials Portal (In Progress)

Tech Stack - HTML, CSS, Bootstrap, JavaScript, Netlify

Designing and building a **responsive, interactive digital presence** for the university's Materials Science and Engineering department, hosted on Netlify. This **ongoing project** aims to showcase department **programs**, **research highlights**, **faculty & student profiles**, and event announcements.

Github - github.com/DissanayakeLYB/MSE-website

Demo - mse-uom.netlify.app

REFERENCES

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