

SAHAS ABEYGUNARATHNE

Software Engineer Intern

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SUMMARY

Dedicated IT undergraduate at the University of Moratuwa pursuing a BSc (Hons) in Information Technology, with a passion for software engineering and full-stack development. Possess strong analytical and problem-solving skills, supported by hands-on experience in web development and software projects. Seeking a Software Engineering Internship to further develop technical expertise and contribute to building scalable, high-quality software solutions.

EDUCATION

University of Moratuwa <i>BSc (Hons) in Information Technology</i> Rahula College (G.C.E.) Advanced Level (A/L) - AAA (Combined Maths, Physics, Chemistry)	Jan 2023 – Dec 2028 2022
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TECHNICAL SKILLS

Programming: Java, Python, JavaScript, TypeScript, C, C++
Frontend: React, Next.js, Tailwind CSS, HTML/CSS
Backend: Node.js, Laravel, FastAPI
Databases: PostgreSQL, MySQL, MongoDB, SQLite, Supabase, Firestore
Mobile Development: React Native
Cloud & DevOps: Docker, GitHub Actions, Firebase
Hosting & Deployment: Vercel, Render
Data, AI & ML: TensorFlow, PyTorch, LangChain, NumPy
Other Frameworks & Tools: Tauri, Playwright
UI/UX: Figma
Version Control: Git/GitHub
Graphic Design: Adobe Photoshop, Adobe Illustrator, Canva

EXPERIENCE

Parabolica <i>Digital Marketing Intern</i> Supported digital marketing initiatives through content creation, social media management, website development, and analytics, contributing to improved online presence and audience engagement.	Jan 2026
Leo Club of University of Moratuwa (UoM Leos) <i>IT Panellist</i> Supported the development of web and mobile applications developed by the organization and strengthened its digital presence through design and digital marketing efforts.	Jun 2025

PROJECTS

CEYNOA Storage Solution | *React, Django, PostgreSQL, JWT* | [GitHub](#)

- Developed a comprehensive cloud-based file management platform featuring tiered storage subscriptions, granular file sharing, and real-time capacity tracking.
- Built a scalable full-stack architecture utilizing React.js, Tailwind CSS, Django REST Framework, and PostgreSQL with secure JWT authentication.

DreamCo Rental System | *Tauri, React, TypeScript, SQLite* | [GitHub](#)

- Developed a comprehensive cloud-based SaaS solution with real-time inventory management, financial operations, and multi-user authentication for a real-world business client.
- Deployed on production VPS infrastructure, currently serving 3 active customers to streamline their daily rental operations.

CivicSync | *React Native, FastAPI, Gemini 2.5, LangChain* | [GitHub](#)

- Engineered a centralized civic engagement platform allowing citizens to report community issues and track municipal responses in real-time.

- Implemented location-based mapping features and automated status workflows to enhance communication between residents and local authorities.

Glucovision AI | *Next.js, FastAPI, PyTorch, Supabase* | [GitHub](#)

- Designed an AI-driven healthcare application utilizing machine learning models to analyze medical data and assist in diabetes-related screening.
- Integrated secure data handling protocols to process sensitive patient metrics and provide real-time analytical insights to healthcare professionals.

AgroIntel | *React, FastAPI, TensorFlow, SQLite* | [GitHub](#)

- Created an AI-powered agricultural system designed to analyze crop health and deliver actionable diagnostic insights directly to farmers via a mobile-friendly interface.
- Bridged the gap between traditional farming and modern technology by deploying machine learning models for early disease detection and yield optimization.

ResQAI | *Next.js, React Native, Supabase* | [GitHub](#)

- Developed an intelligent emergency response management system that utilizes AI algorithms to optimize resource allocation and route planning during crisis situations.
- Built dynamic real-time communication dashboards to connect dispatch teams with field operatives, aiming to reduce overall incident response times.

LEADERSHIP & VOLUNTEERING

IEEE Student Branch University of Moratuwa	2026 – 2027
<i>Design Committee Lead</i>	
FTT Moments	2026 – 2027
<i>Marketing Pillar Assistant Head</i>	
Leo Club of University of Moratuwa (UoM Leos)	2025 – 2027
<i>IT Panellist</i>	
Rotaract Club of University of Moratuwa	2025 – 2026
<i>PR Team Member</i>	
SEDS Mora	2026 – 2027
<i>Design Committee Member</i>	
Various University Events	2025 – 2026
<i>Design Lead & Committee Member</i>	
• Served as Design Lead for MoraXtreme 10.0, Hackelight 2.0, and RiseUp Mora 2025, and actively contributed as a design committee member across multiple university events.	

ACHIEVEMENTS

1st Runner-Up (Individual Category) – Master Designer v3.0	Feb 2026
<i>Sri Lanka Technology Campus</i>	
• Secured 2nd place in a highly competitive branding and designthon, demonstrating advanced design thinking and creative problem-solving.	
Semi-Finalist – Mini Hackathon 2025	Feb 2026
<i>Stat Circle</i>	
• Advanced to the semi-finals with Team Nexio by developing and proposing an innovative technical solution for real-world challenges.	

CERTIFICATIONS

IBM: Cloud Computing Fundamentals (ID: 6810e3ab-8f7d-40d2-95f1-499385e3493d) | Web Development Fundamentals (ID: 3a9f2d52-c733-4f87-a04b-51a695be2eaa)

HackerRank:
Node.js - Intermediate (ID: 922a357732b4) | JavaScript - Intermediate (ID: 35a78a45b434) | SQL - Intermediate (ID: 53f65c00017d) | Software Engineer Intern (ID: 02d6a352a3d3) | Java - Basic (ID: 3A65DFD27C92)
Frontend Developer - React (ID: A95269375409) |

REFERENCES

Adshayani Pirapaharan | *Senior Lecturer, Department of Information Technology, University of Moratuwa*
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