

# JALINA HIRUSHAN

SOFTWARE ENGINEERING INTERN

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## PROFILE

Third-year IT undergraduate at the University of Moratuwa with practical experience in full-stack development, mobile apps, and IoT projects. Eager to contribute as a Software Engineering Intern by applying strong technical skills, teamwork, and a passion for building real-world solutions.

## WORK EXPERIENCE

■ **2025 April - PRESENT**  
Alphagenes  
**Software Engineering Intern**

■ **2025 March - Present**  
IoT & Embedded Systems Labs (IES Labs)  
Faculty of IT  
**Firmware Team Member**

## PROJECTS

■ **Land and Asset Valuation System**  
**Mentored by:** Epic Lanka Technologies  
2024 - 2025

- **Role:** Full Stack Developer
- **TechStack:**
  - Front-end: Flutter
  - Back-end: .NET
  - Database: PostgreSQL, SQLite
  - GIS-based property visualization: Mapbox
- Developed a Land and Asset Valuation mobile application for the Valuation Department of Sri Lanka as our 2nd Year Software Project.
- Contributed across the full Software Development Life Cycle (SDLC), including system design, development, and testing in an Agile environment.

## EDUCATION

**2023 - 2027**  
**UNIVERSITY OF MORATUWA -  
FACULTY OF INFORMATION  
TECHNOLOGY**

- BSc Hons in Information Technology
- CGPA - 3.35 (Up to Semester 3)

**2021**  
**NALANDA COLLEGE**

- GCE Advanced Level
- Combined Maths - A, Chemistry - A, Physics - B
- Z - Score - 1.758

## SKILLS

- **Languages:** JavaScript, TypeScript, Python, C, Dart, Java
- **Frameworks:** React, React Native, Next.js, Flutter, .NET, Node.js
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite
- **Tools & Others:** Git, Mapbox, Clerk, Stream, Figma, Agile/Scrum

- **DebateX**  
2024
  - **Role:** Full Stack Developer
  - **TechStack:**
    - Front-end: Next.js
    - Authentication: Clerk
    - Video Conferencing SDK: Stream
  - Built a structured debate platform enabling real-time discussions and room management.
  - Implemented authentication with Clerk and integrated Stream for live debate features.
  - Designed responsive UI components and structured user flows.
  - Semi-finalist at Idealize 2024.
  - <https://debate-x-nrd5.vercel.app>

- **UoM finance division payroll system**  
2025
  - **Role:** Full Stack Developer
  - **TechStack:**
    - Front-end: Tkinter
    - Database: SQLite
  - Developed a desktop application to automate payroll processes for the university's finance division.
  - Designed UI with Tkinter and handled data storage using SQLite.
  - Implemented features like automated email notifications to improve efficiency and reduce manual work.

- **CookPal**  
2024
  - **Role:** Front-end Developer
  - **TechStack:**
    - Front-end: React
    - Backend: Firebase
  - Developed a team-based recipe management application as a university module assignment.
  - Implemented features for browsing, saving, and managing recipes with real-time data updates to ensure a seamless user experience.
  - <https://cookpal-7029c.web.app/>

## ACHIEVEMENTS

- CodeStorm 2.0 (2024) - Finalists
- Idealize 2024 - Semi-Finalists
- CodeRally 5.0 (2024) - 4th Place
- Xstream Encode Global Hackathon (2024) - 81st Place
- MoraXstream 9.0 (2024) - 21st Place
- CodeRush (2024) - 11th Place
- CryptX 1.0 (2025) - Finalists
- Spirit of Service Award - 2024
- HackMoral 7.0 - Runners-up
- UGRAM Award Winner - Exclusive Category for Inspiring Rotaract Club Projects of South Asia

## EXTRACURRICULAR ACTIVITIES

- **Open-Source Contributor**
  - Hacktoberfest 2024
- **Rotaract Club of the University of Moratuwa (2023 - Present)**
  - Project Co-chairperson of Project Aya
  - Project Co-chairperson - Data Storm 5.0
  - Volunteered in MonsterMash 2.0, Hand in Hand, and Are You Ready
- **IEEE University Branch University of Moratuwa (2023 - Present)**
  - Publicity Committee Member - Mora Xperts
  - Team Handling Committee Member - NFB Championship
- **INTECS UoM (2023 - Present)**
  - Volunteered at the Career Fair 2024
  - Company Coordinator in Career Fair 2025
- **Batch Representative for Level 3**

## REFERENCES

### V. D. Geekiyanage

Deputy General Manager(Property Management)  
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### Koshini Bulathsinhala

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