

Jalina Hirushan

Mobile Development Intern

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Profile

Third-year IT undergraduate at the University of Moratuwa with hands-on experience in full-stack development, mobile applications, and IoT solutions. Strong problem-solving and analytical skills demonstrated through multiple hackathon achievements and real-world projects. Passionate about learning new technologies, collaborating in diverse teams, and contributing to high-quality software solutions following Agile best practices.

Education

BSc (Hons) in Information Technology — *University of Moratuwa* 2023–2027
CGPA: 3.35 (up to semester 3)

GCE Advanced Level — *Nalanda College* 2021
Combined Mathematics – A, Chemistry – A, Physics – B | Z-score: 1.758

Skills

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

Projects

StreamVerse (Mobile App) 🔄 2025

- **Contribution:** Built a cross-platform entertainment companion app that aggregates trending movies, music, and podcasts from TMDB, iTunes, and Listen Notes. Implemented JWT authentication, profile management with Cloudinary avatars, favourites syncing, and a polished glassmorphism-inspired UI. Developed the backend with Express/TypeScript, including REST APIs, content ingestion pipelines, and MongoDB data models.
- **Technologies:** Expo, React Native, TypeScript, Redux Toolkit, Express.js, Node.js, MongoDB, Mongoose, Cloudinary, TMDB API, iTunes API, Listen Notes API

CricBot (Mobile App) 🔄 2023–2024

- **Contribution:** Individually developed the entire mobile app to control an automated cricket practice machine. Implemented authentication, session setup (ball type, speed, count, delay), stats visualization, profile management, and machine connection features using React Native and Firebase.
- **Technologies:** Expo, React Native, NativeWind (Tailwind for RN), Firebase (Auth + Firestore)

Land and Asset Valuation System 2024–2025

Mentored by Epic Lanka Technologies

- **Contribution:** Full-stack development from requirement gathering, planning, UI/UX design, development, and testing. Built mobile frontend with Flutter, backend with .NET, integrated PostgreSQL/SQLite databases, and GIS-based visualization with Mapbox.

- Technologies: Flutter, .NET, PostgreSQL, SQLite, Mapbox

The Fuzzball Theorem – Exoplanet AI

2025

AI-powered exoplanet detection system developed for NASA Space Apps Challenge 2025

- Contribution: Developed the frontend using Next.js and Tailwind CSS, connected the interface with the backend APIs to display machine learning model results in real time, and deployed the frontend on Vercel with an automated CI/CD pipeline.
- Technologies: Next.js, Tailwind CSS, FastAPI, Python, HuggingFace
- Demo: the-fuzzball-theorem-exoplanet-ai-f.vercel.app

DebateX

2024

- Contribution: Handled the meeting platform including meeting creation, scheduling, recording, and debate-specific flows. Designed and implemented real-time features and responsive UI components using Next.js, Clerk (Auth), and Stream (Video SDK).
- Technologies: Next.js, Clerk (Auth), Stream (Video SDK)
- Demo: debate-x-nrd5.vercel.app

Achievements

- HackMoral 7.0** – Runners-up
- CodeStorm 2.0** (2024) – Finalists
- CryptX 1.0** (2025) – Finalists
- Idealize 2024** – Semi-Finalists
- CodeRally 5.0** (2024) – 4th Place
- CodeRally 6.0** (2025) - Advanced Tier Finalists
- CodeRush** (2024) – 11th Place
- MoraXtreme 9.0** (2024) – 21st Place
- UGRAM Award Winner** – Inspiring Rotaract Projects of South Asia
- Spirit of Service Award** (2024)

Extracurricular Activities

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

References

Dr. S. C. Premaratne

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