

HETTIGE ARVIN PREMATHILAKE

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PROFESSIONAL SUMMARY

Software Engineering undergraduate at NSBM Green University with hands-on experience in full-stack, mobile, and B2B AI development. Proven ability to build and deploy scalable applications using Flutter, Java Spring Boot, Angular, and modern database integrations, with a strong focus on clean architecture and team collaboration.

TECHNICAL SKILLS

- **Programming:** C, C#, Java, PHP, JavaScript, Dart, SQL, TypeScript
- **Frameworks & Web:** Flutter, Spring Boot, Angular, React, Next.js, Android SDK
- **Databases:** MySQL, Firebase, Supabase, MSSQL
- **Tools & Practices:** Git/GitHub, Visual Studio, VS Code, Agile/Scrum, Postman

WORK EXPERIENCE

- **Software Engineering Intern** | Majstro Solutions Pvt. (Ltd.) | Kiribathgoda, Sri Lanka

Jan 2026 - Present

- **B2B RAG AI Solution:** Led the mobile development of a corporate client platform, translating an existing web-based RAG AI chatbot into a fully functional, context-aware mobile application.
- **Mobile E-Learning Platform:** Led the mobile development of an e-learning platform, translating existing web infrastructure into a fully functional Flutter application using RESTful APIs and modern software development best practices.
- **Real-Time Ranch Sorting Event Tracking App - USA Client:** Ensured platform stability for an international client application by executing rigorous testing protocols, debugging Angular components, and implementing specific minor adjustments to the Java Spring Boot backend.
- **Agile Collaboration:** Participated in daily stand-ups, utilized Git for version control, and collaborated seamlessly with senior developers to resolve bugs and optimize SQL and Firebase databases.

KEY PROJECT EXPERIENCE

- **Mindful Cradle (Final Year Project):** AI-powered maternal mental health support platform with bilingual emotional analysis. Features a RAG architecture-based AI Companion and an admin panel. (Flutter, Firebase, Gemini API, React, Node.js)
- **SilverKnight Cinema:** Full-stack online movie ticket booking platform with a custom admin panel and simulated payment gateway integration. (Java, MySQL, Twilio)
- **LifeBlood:** Cross-platform mobile and desktop applications designed for seamless blood donor tracking and hospital inventory management. (Flutter, Firebase, Supabase)

EDUCATION

- **BSc (Hons) Software Engineering (University of Plymouth)** | NSBM Green University
2023 - Present
 - *1st Class Honours (Programme Aggregate Final Mark: 72.99)*

CERTIFICATIONS & LEADERSHIP

- **Microsoft Learn:** Introduction to Terraform on Azure (Issued May 2024)
- **Microsoft Student Ambassadors:** MS Champs - January Chapter (Issued Feb 2026)
- **Leadership & Activities:** Led multiple university software engineering projects from planning to deployment and participated in national-level swimming competitions.