

HETTIGE ARVIN PREMATHILAKE

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GitHub: <https://www.github.com/ArvinFox>



PROFESSIONAL SUMMARY

Software Engineering undergraduate at NSBM Green University affiliated with the University of Plymouth with practical experience in full-stack development, mobile application development, desktop systems, and IoT projects. Skilled in Flutter, Java, Firebase, SQL, and modern software development tools. Strong teamwork, leadership, and problem-solving skills with a passion for building real-world software solutions.

TECHNICAL SKILLS

- **Programming:** C, C#, Java, PHP, JavaScript, Dart, SQL, tsx, jsx
- **Frameworks:** Flutter SDK, ASP.NET, Android SDK
- **Web:** HTML, CSS, Bootstrap, React
- **Databases:** MySQL, Firebase, Supabase, MSSQL
- **Tools:** GitHub, Visual Studio, VS Code, Android Studio, NetBeans
- **Soft Skills:** Leadership, Teamwork, Communication, Problem Solving

WORK EXPERIENCE

- **Software Engineering Intern** | Majstro Solutions Pvt. (Ltd.) | Thambiligasmulla Road, Kiribathgoda, Kadawatha.

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.

EDUCATION

- **NSBM Green University - Homagama**
 - BSc (Hons) Software Engineering (University of Plymouth) | 2023 – Present
 - **First Class Honours** (Programme Aggregate Final Marks: 72.99)
- **Royal College - Colombo 07**
 - G.C.E Advanced Level - Physical Science Stream | 2022
- **Central College - Piliyandala**
 - G.C.E Ordinary Level - 8A Passes, 1C Pass | 2018

KEY PROJECT EXPERIENCE

- **Mindful Cradle - Final Year Project**
 - AI-powered maternal mental health support platform with bilingual emotional analysis and wellness tracking. RAG Architecture based AI Companion and full admin panel with user tracking.
 - Technologies: Flutter, Firebase, Gemini, React, Node.js
 - Mobile App Repository: <https://github.com/ArvinFox/MindfulCradle.git>
 - Admin Panel Repository: <https://github.com/ArvinFox/MindfulCradle-Admin.git>
- **SilverKnight Cinema - Online Movie Booking Website**
 - Movie ticket booking website with admin panel and payment simulation.
 - Technologies: Java, MySQL, Twilio
 - Repository: <https://github.com/ArvinFox/SilverKnightCinema---Movie-Ticket-Booking-Website.git>
- **LifeBlood - Blood Donation Applications**
 - Developed mobile and desktop applications for blood donor and hospital management.
 - Technologies: Flutter, Firebase, Supabase
 - Mobile App Repository: <https://github.com/ArvinFox/LifeBlood-Blood-Donation-App.git>
 - Desktop App Repository: <https://github.com/ArvinFox/LifeBlood-Blood-Donation-DesktopApp.git>

LEADERSHIP & ACTIVITIES

- Led multiple university software engineering projects from planning to deployment.
- Participated in national-level swimming competitions and university house meets.

CERTIFICATIONS

- **Microsoft Learn:** Introduction to Terraform on Azure (Issued May 2024)
- **Microsoft Student Ambassadors:** MS Champs - January Chapter (Issued Feb 2026)

LANGUAGES

- **English** - Professional Working Proficiency
- **Sinhala** - Native Proficiency

REFERENCES

Mr. H. H. Bhashitha Prasanga

Visiting Lecturer - NIBM (School of Computing)
Red Hat & Cisco Trainer

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Mr. Viraj Kanakarathne

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