ISHAN DEVINDA

COMPUTER ENGINEERING | UNDERGRADUATE | UNIVERSITY OF RUHUNA

📞 +94 705 830 147   ✉ devindaishan98@gmail.com   in LinkedIn   ⌗ GitHub   🌐 Portfolio

SUMMARY

Computer Engineering undergraduate (academic requirements completed) with internship experience and a strong foundation, specializing in Software Engineering (Full-Stack Web & Mobile Development), Artificial Intelligence & Machine Learning, and cloud/DevOps technologies. Experienced in frontend and backend development, designing responsive UIs, developing secure backend services, and integrating RESTful APIs. Familiar with AI/ML concepts and modern software engineering practices, with strong problem-solving skills applied to real-world projects.

EXPERIENCE

Software Engineering Intern – Aventure IT Solution (Pvt) Ltd (Onsite)   **Jul 2024 – Feb 2025**

Completed an 8-month software engineering internship focused on full-stack development, contributing to real-world projects in a collaborative Agile environment using modern web technologies.

- Developed web application features using **React, Redux, Next.js, TypeScript, JavaScript, and Node.js**.
- Contributed to scalable and maintainable codebases through code reviews and clean coding practices.
- Designed and implemented REST APIs, integrating frontend and backend features for seamless functionality.
- Followed **Agile development workflows**, managing tasks and sprints using Jira.
- Used **Git and Bitbucket** for version control and collaborative development.
- Performed code quality checks and testing using **SonarQube**.
- Prepared technical documentation and collaborated closely with cross-functional teams to deliver features on time.

University Student Worker – People's Bank (Onsite)   **Oct 2019 – Apr 2020**

Worked as a university student worker for seven months, assisting in daily banking operations and providing support to staff while gaining practical exposure to banking procedures and customer service.

PROJECTS

SLUDI – Blockchain-Based Digital Identity Platform | *Final Year Group Project*   **March 2025 – Dec 2025**

Developed a secure, verifiable, and privacy-preserving digital identity platform for citizens, government, and service providers using blockchain technology.

- Implemented digital wallets and verifiable credentials with QR-based online/offline identity verification.
- Integrated AI-powered facial verification with deepfake detection for enhanced biometric security.
- Designed a microservices architecture with API gateways and secure integration layers for scalability and reliability.
- Managed decentralized storage using IPFS and ensured cryptographic security with role-based access control.
- Developed web and mobile interfaces for citizens and administrators.
- **Technologies: React, Redux, Spring Boot, Hyperledger Fabric, Flutter, PostgreSQL, IPFS, Truntac Query, TensorFlow, Keras**

Full-Stack AI-Powered E-Commerce Platform | *Individual Project*   **Sep 2025 – Dec 2025**

Developed a production-ready e-commerce platform integrating AI-driven features to enhance product discovery and personalization.

- Implemented AI-powered chatbot, visual search, and personalized recommendations using modern AI models.
- Built a secure e-commerce system with product management, cart, wishlist, reviews, and Stripe payment integration.
- Designed RESTful APIs and implemented JWT & OAuth 2.0 authentication with role-based access control.
- Developed an admin dashboard with analytics and management features.
- **Technologies: Next.js, React, TypeScript, Node.js, Express.js, MongoDB, Gemini AI, CLIP, Google Vision API, Stripe**

AI-Powered Educational Tutoring Chatbot | *Individual Project*   **Aug 2025 – Nov 2025**

Developed an AI-driven tutoring chatbot that enables students to interact with their own study materials using Retrieval-Augmented Generation (RAG).

- Implemented document-based Q&A with reduced hallucinations using RAG.
- Enabled quiz and MCQ generation, topic simplification, and revision support.
- Integrated web search (Tavily API) fallback for out-of-scope queries.
- Applied experiment tracking and performance monitoring for model evaluation.
- **Technologies: FastAPI, Streamlit, LangChain, LLMs, Hugging Face, Transformers, ChromaDB, MLflow**

Colombo International Bookfair Reservation System | *Group Project*   **Aug 2025 – Dec 2025**

Designed and developed a full-stack stall reservation management system as part of the Software Architecture module.

- Implemented secure authentication and role-based access using Spring Security and JWT.
- Developed vendor and admin portals using React and Redux.
- Designed an event-driven microservices architecture and documented the system using the C4 model.
- Enabled online stall booking, real-time availability, Stripe payments, and QR code-based email confirmations.
- **Technologies: Spring Boot, React, Redux, PostgreSQL, Redis, Spring Security, JWT, Stripe, Git**

Virtual Travel Assistance Platform | *Group Project*   **Jan 2024 – Jul 2024**

Developed a full-stack travel assistance platform that centralizes travel planning services into a single, user-friendly system.

- Enabled tour guide discovery and booking, transport scheduling, and hotel reservations.
- Implemented personalized travel itinerary planning and healthcare support access for travelers.
- Collaborated within a team to design and deliver the platform based on defined requirements.
- Followed Agile development practices, managing tasks and progress using Jira.
- **Technologies: React.js, Tailwind CSS, Spring Boot, Spring Security, MongoDB Atlas, Postman, Git**

Bus Ticket Booking & Reservation System (Web & Mobile) | *Individual Project*   **Aug 2023 – Jan 2024**

Developed a full-stack bus ticket booking and reservation system with both web and mobile applications to support efficient travel planning and administration.

- Implemented user and admin modules for bus search, seat booking, and booking management.
- Built the web application using the MERN stack with secure JWT-based authentication.
- Developed the Android mobile application using Kotlin and Java, with Firebase for backend services.
- Enabled administrators to add, update, and manage bus routes and schedules.
- Designed responsive and user-friendly interfaces for seamless user experience across platforms.
- **Technologies: MongoDB, Express.js, React.js, Node.js, Tailwind CSS, JWT, Kotlin, Java, Firebase**

EDUCATION

B.Sc.Eng.(Hons) in Computer Engineerin

Faculty of Engineering, University of Ruhuna

TECHNICAL SKILLS

Full-Stack Web Development: React.js, Express.js, Node.js, Next.js, Angular, Redux, Spring boot , FastAPI
Database Management: MongoDB, MySQL, PostgreSQL, Firebase
Mobile Application Development: Kotlin, Java, Flutter
Artificial Intelligence: Langchain, Langgraph, CrewAI, Hugging face , Prompt Engineering
Machine Learning and Deep learning: TensorFlow, PyTorch
Version Control: Git, GitHub, Bit bucket
Project Management: Jira
Programming languages: C, C++, C, Java, Python, Kotlin, Typescript, JavaScript, Dart

REFERENCES

Ms. Yugani Gamlath
Lecturer
Department of Electrical and Information Engineering
Faculty of Engineering,University of Ruhuna
📞 +94 703970341
✉ yugani@eie.ruh.ac.lk

Mr.B.Lahiru Chamika
Director/Chief Executive Officer
Aventure IT Solution (Pvt) Ltd
📞 +94714671504