

# VINIRA NAVODITH JAYASINGHA

COMPUTER SCIENCE UNDERGRADUATE | ASPIRING SOFTWARE ENGINEER

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Computer Science undergraduate focused on building practical, user-facing software across full-stack web, mobile, desktop, and backend systems. Hands-on project work includes SprintFlow AI, BlindMatch PAS, LawPoint, an offline hardware POS, and SafeSound. Comfortable with authentication, role-based systems, database design, APIs, secure file handling, and modern UI implementation.

## AREA OF EXPERTISE

Full-Stack Web Development	Backend APIs & Auth	Database Design
Mobile App Development	AI-Assisted Product Features	Desktop/POS Systems
Role-Based Workflows	UI/UX Implementation	Secure File Handling

## KEY ACHIEVEMENTS

- Built and sold a real-business offline POS and inventory system for Sumith Hardware, including barcode billing, receipt printing, cash drawer support, and SQLite-backed local storage.
- Developed portfolio-ready software across ASP.NET Core, Flutter, Next.js, Supabase/Firebase, Electron, Node.js, Express.js, PostgreSQL, SQL Server, and SQLite.
- Built SprintFlow AI, an AI-assisted project planning workspace with protected auth, project boards, document uploads, AI task generation, analytics, and task-level AI chat.

## PROJECT EXPERIENCE

### SprintFlow AI

Next.js, TypeScript, Supabase, Gemini, Tailwind CSS

- Built an AI-powered planning workspace with protected authentication, user-owned projects, dashboard analytics, and responsive SaaS-style UI.
- Implemented AI task generation from prompts, files, and saved project documents, with task detail pages and task-specific AI follow-up chat.

### BlindMatch PAS

.NET 10, ASP.NET Core MVC, SQL Server, Identity

- Built a role-based academic project approval system for students, supervisors, module leaders, and system administrators.
- Implemented proposal submission, attachments, supervisor interest tracking, research-area management, and blind-match reassignment workflows.

### LawPoint

Flutter, Node.js, Express.js, PostgreSQL

- Built a legal-services mobile platform for lawyer discovery, appointment booking, case tracking, document sharing, and multilingual legal guidance.
- Implemented protected authentication, verification/reset code flows, encrypted messaging, and an admin lawyer-verification workflow.

### Offline Hardware POS + Inventory System

Electron, JavaScript, SQLite

- Built and sold an offline desktop POS for Sumith Hardware with barcode billing, cart totals, inventory management, and local database storage.
- Added auto receipt printing, cash drawer support, and a secure Electron preload and IPC bridge for reliable offline checkout.

### SafeSound

Flutter

- Developed a real-time noise-monitoring mobile app that estimates unsafe exposure levels and provides practical hearing-safety guidance.
- Added sound-scene detection, session history, trend dashboards, CSV export, location tagging, and personalized threshold settings.

## EDUCATION

BSc in Computer Science (Undergraduate) - NSBM Green University, affiliated with the University of Plymouth

2024-2027

## LEADERSHIP & ADDITIONAL INFORMATION

- Subcommittee Member - Events, CSSL Genz Chapter | NSBM Green University
- Certifications: AI Foundations Associate; EF SET English Certificate - 71/100 (C2 Proficient)
- Portfolio Website: Built with Next.js, TypeScript, Tailwind CSS, Motion, and Vercel to showcase projects and contact information.