# KAVIJA DULMITH

Software Engineering Undergraduate | Back-End Developer

0777846035 · dulmithk@gmail.com · kavijadulmith.vercel.app · GoLeM-KD · Kavija Dulmith

## PROFILE SUMMARY

Motivated Software Engineering undergraduate with experience in back-end development, database administration, and IT technical support. Skilled in developing database-driven applications, troubleshooting hardware, software, networking, and POS systems, and providing technical support to clients and technicians. Proficient in Python, JavaScript, SQL, Next.js, and React Native, with a proven ability to deliver reliable and practical solutions in professional environments.

## WORK EXPERIENCE

### Database Administrator • Global Soft Solution Pvt. Ltd

*Jun 2025 – Nov 2025 | Sri Lanka*

- Diagnosed and resolved client-reported hardware and database issues for POS systems, ensuring minimal downtime.
- Performed database transfers and migrations, maintaining data integrity across client environments.
- Installed, configured, and maintained POS hardware and software systems for customers.
- Provided technical support and troubleshooting for technicians and end users.
- Trained technicians on POS system installation procedures and best practices.

❖ **Back-End Developer**

- Developed an offline-to-online invoice synchronization feature for a company POS system using React Native and SQLite.
- Built a REST API connected to a local POS database and exposed it securely via Ngrok for controlled external access.
- Developed an Online Report and Inventory System (Next.js / MSSQL / Tailwind CSS) enabling management to view POS reports and check stock levels in real time.
- Created a lightweight deployment tool (Python / Tkinter) that auto-installs Node.js and hosts the reporting system, eliminating the need for technical knowledge from end users.
- Implemented automated processes to synchronize daily invoices to the central database.

#### Key Achievements

- Delivered a full offline-capable invoicing solution within company constraints, avoiding cloud migration.
- Significantly improved management accessibility and usability through the Online Report System.
- Streamlined deployment for non-technical customers, improving user adoption.

## TECHNICAL SKILLS

**Back-End & Database**

| | | | |
|---|---|---|---|
| Node.js | SQL / MSSQL | MySQL | PostgreSQL |
| RESTful API | Clerk Auth | ORM (Prisma) | SQLite |

**Languages**

| | | |
|---|---|---|
| Python | JavaScript | TypeScript |

**Frameworks & Tools**

| | | | |
|---|---|---|---|
| Next.js | React.js | React Native (Expo) | Tailwind CSS |
| Git / GitHub | Ngrok | | |

**System & Hardware**

| | | | |
|---|---|---|---|
| Linux | Desktop Repair | Laptop Repair | Networking |
| Virtualization | | | |

## PROJECTS

**DonutSQL – Free Online SQL Server Management Platform |** DonutSQL

*Next.js · Microsoft SQL Express Server (MSSQL) · Linux (Ubuntu)*

- Developed a free, web based SQL Server platform that enables students and developers to create and manage online databases.
- Built secure REST APIs using Next.js for database connectivity and SQL query execution, with user authentication and isolated database access.
- Deployed and maintained a self-hosted Linux Server to provide remote database access through a secure tunnel.

**Offline Invoicing System for Distributors**

*React Native · SQLite · Next.js API · Ngrok*

- Built offline invoice management in a mobile app with SQLite for sales reps working without internet connectivity.
- Exposed a local POS REST API securely via Ngrok and automated daily syncs to the central database.
- Fulfilled strict customer constraints by avoiding cloud migration while enabling full offline-to-online functionality.

**Online Report System**

*Next.js (Full-Stack) · MSSQL · Tailwind CSS · Ngrok*

- Developed an online reporting and inventory system for a local POS, enabling real-time access to reports and stock levels.
- Exposed a local MSSQL database securely using Ngrok and built a back-end to fetch, serve, and update data efficiently.

**Web Hoster – Lightweight Deployment Tool**

*Python · Tkinter*

- Created a desktop app that auto-installs Node.js and hosts the Online Report System without requiring technical knowledge.
- Significantly improved user adoption and simplified deployment for non-technical customers.

## EDUCATION

**Bachelor of Software Engineering (Honours)**

*Open University of Sri Lanka | 2024 – Present*

**G.C.E Advanced Level (2022/2023)**

*Kotahena Central College*

**G.C.E Ordinary Level (2019)**

*Ananda Sastralaya Kotte*

## SOFT SKILLS

| | | | |
|---|---|---|---|
| Team Working | Communication | Problem Solving | Working Under Pressure |
| Quick Learner | Adaptable | | |

## LANGUAGES

| | |
|---|---|
| English | Sinhala |