Danindu Nanayakkara

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EDUCATION

NSBM

BSc (Hons) Computer Science

2024 - 2027

SUMMARY

Computer Science undergraduate with hands-on experience in full-stack web development and DevOps fundamentals. Skilled in building and deploying secure applications using React, Go, Node.js, Firebase, Docker, and AWS, with a strong focus on clean architecture, security-conscious design, automation, and real-world production systems at scale with reliability.

SKILLS

Programming Languages:
JavaScript, TypeScript, Go, Python, Java, C#, PHP, Dart, HTML, CSS, SQL

Front-End Development:
React.js, Next.js, Angular, Astro.js, Tailwind CSS, Bootstrap

Back-End Development:
Node.js, Express.js, ASP.NET Core Web API, Go, Java Servlets, JSP, Flask

Mobile Development:
Flutter

Databases & Storage:
MongoDB Atlas, MySQL, SQL Server, Firebase (Firestore), AWS S3

DevOps, Tools & Platforms:
Git, GitHub, GitHub Actions, Docker, Linux CLI, SSH, Postman, Nginx, Kubernetes (basic)

Cloud & Deployment:
AWS (EC2, S3, IAM, Security Groups), Firebase Hosting, Vercel

Design & Prototyping
Figma

PROJECTS

Ayurveda Appointment Booking System GitHub

Technologies used: Next.js, Tailwind CSS, Firebase

Developed a web-based appointment booking system that allows users to discover Ayurveda practitioners, schedule consultations, manage bookings, automated email confirmations and supports admin-side oversight using Firebase-backed authentication and data management. optimized for mobile and desktop devices.

Point of Sale System GitHub

Technologies used: Angular, Express.js, MongoDB Atlas, React, JWT

Developed a role-based POS system with secure JWT authentication and RESTful APIs to manage users, products, customers, and orders.

Encrypted Notes Application GitHub

Technologies used: Go, React, Firebase Auth, Firestore, AES-256-GCM

Developed a secure full-stack notes application with a Go-based REST API and Firebase authentication, implementing server-side AES-256-GCM encryption to ensure database-level privacy and strict per-user access control, with encryption keys managed via environment variables and never exposed to the frontend.

Peer-to-Peer File Transfer System GitHub

Technologies used: Next.js, WebRTC, PeerJS, Socket.io

Built a P2P file-sharing web app using WebRTC and PeerJS for direct, server-mediated signaling with direct peer-to-peer transfers with real-time progress tracking and cross-platform device discovery.

Android Real-Time Chat Application GitHub

Technologies used: Flutter, Firebase

Built a real-time chat application featuring live message synchronization, user authentication, and responsive mobile UI.

Human Resource Management System GitHub

Technologies used: Java Servlets, JSP, JDBC, MySQL, Apache Tomcat

Developed a web-based HR Management System using Java EE and MVC architecture, implementing employee, attendance, leave approval, payroll, and productivity tracking modules with Servlets, JDBC, and MySQL, deployed on Apache Tomcat.