NAVODA CHATHURYA
Software Engineer Intern

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My Portfolio

ABOUT ME

I am a third-year IT undergraduate with a strong passion for software development. Through my academic journey and project work, I have gained hands-on experience in building full-stack applications using React, Next.js, Spring Boot, and ASP.NET. I have developed strong skills in programming, problem-solving, and creating user-friendly solutions. I am eager to apply and further expand my abilities by contributing to impactful projects while continuously growing and learning new technologies.

EDUCATION

- **Bachelor of Science (Hons) in Information Technology**
  University of Moratuwa | Sri Lanka (2023 - Present) - Expected Graduation : 2027

- **Diploma in Comprehensive Master Java Developer**
  IJSE - Institute of Software Engineering | Galle, Sri Lanka | (2025)

- **G.C.E. Advanced Level Examination**
  Mahinda College | Galle, Sri Lanka | (2017-2021)
  Z-Score - 1.74 - Biology (A), Chemistry (B), Physics (B)

- **G.C.E. Ordinary Level Examination**
  Siddhartha College | Matara, Sri Lanka | (2006-2017)
  Passed with 8As and 1Cs

PROJECTS

- **JMHStore – Stock & Services Management System (2025)**   **(Client Project)**

  A web-based system developed for Medi House to efficiently manage stock, services, purchases, and expenses, while also generating and sending daily reports. The system provides batch-wise stock tracking, monitors near-expiry items, and automatically identifies stocks to be replenished based on remaining quantities. It also streamlines purchase handling and keeps a clear record of all business expenses, supporting better financial and operational decision-making.
  Role: Full Stack Developer
  Skills: Next.js, Spring Boot, MySQL, Docker, Railway

- **PresCrypt – Second Year Software Development Project (2024-2025)**   **(Academic Project)**

  A doctor-patient management system for healthcare institutions with real-time communication features. I developed the Admin Portal and a real-time messaging module, and contributed to UML design (Use Case, ER, Class, Activity, Sequence diagrams).
  Role: Full Stack Developer
  Skills: Next.js, ASP.NET, MSSQL, SignalR, SMTP Server
  Repositories: https://github.com/TechGenPioneers/PresCrypt.git
  https://github.com/TechGenPioneers/PresCrypt-Backend.git

- **TrackMyItem – Lost and Found Items Management System (2025)**   **(Individual)**

  A web application that allows users to report, search, and claim lost or found items with secure role-based access for Admins, Staff, and Users. Key features include JWT authentication, real-time item filtering, a claim request workflow, and an admin panel for user and item management.
  Role: Full Stack Developer
  Skills: React.js (TypeScript), Tailwind CSS, Spring Boot, Spring Security, MySQL

- **Personal Portfolio (2025)**   **(Individual)**

  A responsive personal portfolio website with an interactive UI, project gallery, about section, and contact form. Optimized for both desktop and mobile viewing.
  Role: Frontend Developer
  Skills: Next.js, TypeScript, Tailwind CSS, Motion

- **EventUni – University Event Management Platform (2024)**   **(Group Project)**

  A centralized event management platform for Sri Lankan universities to streamline event discovery, creation, and booking. Features include ticket registration, tag-based search, personalized dashboards, and admin tools for reviewing and managing event activities.
  Role: Full Stack Developer
  Skills: React + Vite, Tailwind CSS, Ballerina, MongoDB, Firebase
  Repositories: https://github.com/nethmalgunawardhana/iwb124-the-404s

- **Course Management System (2025)**   **(Individual)**

  A desktop Course Management System for educational institutions enabling secure role-based course enrollment, student management, and reporting with real-time availability and record updates.
  Role: Full Stack Developer
  Skills: Java, JavaFX, Layered Architecture, MySQL, Scene Builder

- **Gram Dispenser - First Year Microcontroller Based Application Development Project (2024)**

  An automated system for accurately weighing, dispensing, and sealing snack portions to improve consistency, hygiene, and reduce wastage.
  Role: Embedded Systems Developer
  Skills: Arduino, Load Cell Integration, Servo Mechanisms, Embedded C/C++, Sensoring, Mechanics

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TECHNICAL SKILLS

- **Programming Languages:** Java, C, C#, JavaScript, TypeScript
- **Front-End:** HTML, CSS, React.js, Next.js, Tailwind CSS, Material UI (MUI)
- **Back-End:** ASP.NET Core, Express.js, Node.js, Spring Boot
- **Databases:** MySQL, MS SQL Server, MongoDB
- **Design Tools:** Figma, GIMP, Adobe Photoshop
- **Project Management:** Jira, ClickUp
- **Version Control:** GitHub
- **Other Tools & Skills:** Postman, Swagger, Arduino, Entity Framework

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CERTIFICATIONS

- Participated in MoraXtreame 9.0
- Participated in Innovate with Ballerina (2024)
- Participated in AlgoXplore 1.0

EXTRACURRICULAR ACTIVITIES

- Senior Prefect of the school for the term (2016-2017)
- Member of the School Debate Team

REFERENCES

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