



CHETHIYA HITIHAMU

SOFTWARE ENGINEER

Education

- **University of Moratuwa, Moratuwa**
BSc. (Hons) in Information Technology (Since 2021)
 - CGPA - 3.5
 - Final Year Research Project on "Enhanced Legal Questions Answering with Advanced Retrieval Methods".

Work Experience

- **DirectFN, Malabe**
Software Engineer Intern (Jan 2023 - Jun 2023)
 - Developed two key projects from ground up as part of the Market Data Backend team: (1) MarketData Update Checker - an internal testing tool using React, Redux, and WebSocket to visualize DirectFN's market data streams; and (2) MBE API Portal - a role-based API documentation platform built with Docusaurus and React, featuring a Bun.js backend with Prisma ORM and PostgreSQL, session management via cookies, and Dockerized deployment.

Projects

- **Business Admin Web Application (Commercialized)**
Developed for AS Enterprises to manage suppliers, customers, sales, purchases, stock, and transactions with automated due amount and profit calculations. Features token based authentication, advanced search, filtering, and a dashboard with sales insights. Supports Excel exports and PDF invoices/bills for transactions. Hosted on cPanel, actively streamlining business operations.
 - Technologies - Refine (React, Ant Design), Bun.js, Hono, Prisma ORM, PostgreSQL
- **E-Commerce Web Application (Commercialized)**
Developed for Super Supply Impex to sell day to day items and groceries online. Features token based authentication, category based search, filtering, admin panel for inventory management, and social login. Hosted and in UAT stage preparing for deployment.
 - Technologies - Next.js, Node.js, Express, MySQL

About Me

Motivated and detail-oriented individual with a strong foundation in developing efficient and user-focused solutions. Skilled in problem-solving, team collaboration, and delivering results in dynamic environments. Passionate about continuous learning and innovation, eager to contribute to impactful projects as a Software Engineer.

Contact



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<https://chethiyanuwan.github.io/portfolio>



<https://github.com/ChethiyaNuwan>



www.linkedin.com/in/ChethiyaHitihamu



https://www.hackerrank.com/chethiya_code



<https://stackoverflow.com/users/21221400/chethiya-hitihamu>

Technical Skills

PROGRAMMING LANGUAGES

- Java
- C++
- C#
- Python

WEB DEVELOPMENT

- Angular
- React
- TypeScript
- JavaScript
- Spring Boot
- Node.js
- PHP
- ASP.NET Core
- Next.js
- Bun.js

DATABASE

- MySQL
- MSSQL
- MongoDB

VERSION CONTROLLING

- Git

PROJECT MANAGEMENT TOOLS

- Trello
- Jira

IDEs

- IntelliJ
- Visual Studio Code
- WebStorm
- Visual Studio

OTHER TOOLS

- Figma
- Cisco Packet Tracer
- Blender
- Microsoft Office
- Proteus
- Adobe Firefly

Non-technical Skills

- Leadership
- Adaptability
- Team Work
- Problem Solving
- Effective Communication
- Creativity
- Presenting

Interests and Hobbies

- Coding
- DIY
- Designing
- Photography
- Travelling
- Music
- Movies
- Video Games

Languages

- Sinhala - Native
- English - Proficient
- Korean - Elementary

Projects Cont'd

● Supermarket E-Commerce Backend

Developed a scalable backend for a supermarket e-commerce platform using microservices architecture for modularity and performance. Designed for high availability, handling orders, inventory, and user authentication while implementing microservices best practices for resilience and scalability.

- Technologies - Spring Boot, MongoDB, Firebase

● ZoneEd - School Management System with Zonal Coordination

Developed a school management system to improve efficiency and coordination under the zonal director, overseeing processes through the system. Supports six user types with features for teacher schedules, student attendance, mark sheets, notices, and project tracking. Led the project as group leader, ensuring smooth implementation.

- Technologies - Angular, Spring Boot, MongoDB, Firebase Cloud, Material UI

● Automated Testing Suite for API & Web

Developed automation testing suites for API and web testing, implementing BDD architecture, Page Object Model, and Gherkin test case definitions. Followed QA best practices and integrated with Jenkins for continuous testing and deployment.

- Technologies - Serenity BDD, Cucumber

Activities

- Participated in Mora UXplore 1.0 with IEEE Student Branch of SLIIT, University of Moratuwa.
- Volunteered in the SURVLEOS project with LEO Club of University of Moratuwa (2021).
- Runners-up in the Inter-University eSports Championship (COD Mobile) with Mora Esports Community.

Non-related Referees

- **Dr. Supunmali Ahangama**
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