

DILSHA ATUGEDARA

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Summary

Computer Science and Engineering undergraduate with hands-on experience in full-stack development, database systems, cloud technologies, and software architecture through individual and team projects. Interested in building practical, user-focused solutions with attention to both technical quality and usability. A curious, adaptable, and detail-oriented team player seeking internship opportunities in full-stack development, mobile application development, DevOps/infrastructure, or UI/UX design.

Education

University of Moratuwa, Moratuwa, Sri Lanka

Mar 2024 - Present

BSc. in Computer Science and Engineering

- GPA: 3.68/4.00
- Advanced Software Engineering, Data Structures and Algorithms, Program Construction, Database Systems, Computer Networks, Computer Architecture, Computer Security

Rathnavali Balika Vidyalaya, Gampaha, Sri Lanka

2014 - 2023

- G.C.E. A/L Examination, Physical Science Stream: 3A Passes, District Rank: 13, Island Rank: 148, Z-score: 2.5978
- G.C.E. O/L Examination: 9A Passes

Projects

ResourceHive - Multi-Tenant Resource Sharing and Optimization Platform

Ongoing

- Developing a university resource-sharing platform for discovering, reserving, and managing shared resources across organizations. Responsible for the Booking Service and Notification Service, including atomic booking creation, point deduction, availability validation, concurrent-booking protection, and real-time notification foundations.
- **Tech Stack:** TypeScript, NestJS, Next.js, React, PostgreSQL, Prisma ORM, REST APIs, Socket.IO, Docker, Docker Compose, Nginx, Jest, Supertest

IDKPay - Shared Expense Management Platform

2026

- Built a full-stack shared-expense application for roommates and small groups, supporting authentication, group management, expense splitting, balance calculation, settlements, notifications, analytics, weekly summaries, and shared shopping lists. Designed and developed the majority of the frontend, backend logic, Firebase integration, and deployment configuration.
- **Tech Stack:** TypeScript, JavaScript, Next.js, React, Tailwind CSS, Firebase Authentication, Cloud Firestore, Firebase Storage, Recharts, React Hook Form, Zod, Vercel

BrightBuy - E-Commerce Management and Shopping Platform

2025

- Contributed to a university team project supporting product browsing, cart and checkout workflows, order tracking, payments, inventory management, administrative reporting, and delivery-driver operations. Worked across the React frontend, Express REST API, PostgreSQL database integration, authentication, and role-based features.
- **Tech Stack:** JavaScript, React, React Router, Node.js, Express.js, PostgreSQL, JWT, bcrypt, Chart.js, Docker, Docker Compose, Nginx

Skills

Programming Languages: TypeScript, JavaScript, SQL, HTML, CSS

Frontend: React, Next.js, Tailwind CSS, React Router, shaden/ui, Radix UI, Recharts, Chart.js

Backend: Node.js, Express.js, NestJS, REST APIs, Swagger/OpenAPI, Socket.IO

Database Systems: PostgreSQL, Firebase Cloud Firestore, Prisma ORM

Cloud & DevOps: AWS fundamentals, Firebase, Vercel, Docker, Docker Compose, Nginx, CI/CD fundamentals

Testing & Development Tools: Jest, Supertest, Vitest, Testing Library, Git, GitHub, npm, pnpm, ESLint, Prettier

Software Engineering: Microservices, Software Architecture, RESTful Design, JWT Authentication, Role-Based Access Control, Database Transactions, Concurrency Control

Design: Figma, UI/UX Design, Design Systems, Wireframing and Prototyping, WCAG Accessibility Principles

Certifications

AWS Academy Graduate - Microservices and CI/CD Pipeline Builder Feb 2026

Amazon Web Services Training and Certification | Credential

- Microservices, AWS CodePipeline, Continuous Integration, Continuous Delivery/Deployment

AWS Academy Graduate - Cloud Foundations Feb 2026

Amazon Web Services Training and Certification | Credential

- AWS cloud concepts, core services, architecture, pricing, and support models

Organizing Experience

Finance Committee Member, ENIGMA 2025 2025

Mathematics Society, University of Moratuwa

- Supported sponsorship outreach by contacting corporate HR departments to secure event funding and partnerships.

Honors and Awards

CryptX 2.0 Designathon - Top 8 Finalist 2026.

A UI/UX design competition organized by the ICT Society, Faculty of Technology, University of Sri Jayewardenepura; competed as part of a three-member team.

UoJCoders v4.0 - Finalist, 2025.

A competitive programming and problem-solving competition organized by the Computer Society, University of Jaffna; advanced to the final round as part of a three-member team.

Reference

Prof. Dulani Meedeniya

Senior Lecturer

Department of Computer Science and Engineering

University of Moratuwa

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