

# UDANA NIMSARA

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## SOFTWARE ENGINEER

Full-stack Software Engineer with two years of professional experience delivering production systems across fintech, Web3 and automation, alongside final-year studies at the University of Moratuwa. Strong in Node.js, TypeScript and NestJS on the backend, with Next.js and React on the frontend and PostgreSQL for data. Experienced in API design, third-party integrations and shipping features end to end in small, fast-moving teams.

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## PROFESSIONAL EXPERIENCE

### Ceylon Cash PVT Ltd.

#### Associate Software Engineer

Jun 2025 - Jun 2026

- Delivered back-end development and system functionality for CeyPay, a cryptocurrency payment platform handling digital asset payments and merchant payment processing.
- Built back-end services and system integrations for a digital loyalty and rewards platform connecting consumer rewards with merchant engagement tools.
- Developed full-stack features for Telegram Mini Apps and community bots using NestJS, Telegraf.js and TypeScript, covering user registration, command handling and database layers.
- Built automation integrating Lark and Clockify to synchronise work and time-tracking processes across internal teams.

#### Intern Software Engineer

Jun 2024 - June 2025

- Contributed front-end development and implementation to a Web3 blockchain analytics platform providing on-chain data and intelligence capabilities.
- Built front-end and user interface features for an interactive prediction game platform.
- Improved fund transfer API workflows for a banking client, enhancing functionality and transaction processing.
- Conducted comparative research on Capsule and MagicLink authentication methods to evaluate suitability for production login systems.

### Full Stack Developer (Contract) chainlyze.io

Jun 2024 - Aug 2025

- Develop and maintain backend systems for blockchain analytics, focusing on scalable architecture.
- Worked within PostgreSQL schemas and built TypeScript APIs to deliver real-time on-chain data, optimizing queries for dashboard-scale performance.

### Full Stack Developer Freelance

May 2019 - Present

- Build and deploy landing pages, web dashboards, bots, and mini apps including microservices-based backend systems for select client projects enabling scalable third-party integrations.
  - Automate user interactions and integrate APIs for chat-based services and platforms.
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## PROJECTS

### Chainlyze.ai - On-chain Intelligence Service | Sep 2024 - Aug 2025

- Developed key features for a blockchain analytics platform designed for on-chain data visualization, transaction tracking, and security monitoring.
- Contributed to building a scalable architecture for large data processing, implementing real-time monitoring, advanced transaction tracking, and smart contract auditing features.
- **Tech Stack:** Front-End Development, Back-End Web Development, Quality Assurance

- Contributed to the development of a robust backend for a Telegram bot designed to streamline communication and manage content for the global PizzaDAO community.
- Implemented the core user registration flow, created the primary command handler, and managed all database interactions for users and posts to support global events.
- Tech Stack: NestJS, Telegraf.js, TypeScript, PostgreSQL, Knex.js, Telegram Bot API.

### Additional Projects

- Automated Carrom Opponent Device - microcontroller-based robotic system using Raspberry Pi, Python, OpenCV and Arduino for computer-vision shot detection and robotic actuation.
- Smart Campus Management System, Tax Manager and Bus Seat Reservation System. Further details at [projects.nimsara.me](https://projects.nimsara.me)

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## PROFESSIONAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, Go, HTML/CSS, SQL
- **Frameworks & Libraries:** React, Next.js, Node.js, NestJS, Svelte, Tailwind CSS, Express, Web3.js
- **Databases & APIs:** PostgreSQL, MongoDB, MySQL, Firebase, RESTful APIs, GraphQL
- **Blockchain:** Solidity, Smart Contracts, Rust
- **Cloud & Testing:** AWS, Azure, GCP, Docker, Kubernetes, Jest, Playwright, PyTest
- **Developer & Design Tools:** Git, GitHub, VS Code, Postman, Figma, Chrome DevTools, Telegram Dev Tools, Canva
- **AI-Assisted Development:** GitHub Copilot, Claude, Gemini, Codex
- **Project Management:** Agile, Scrum, Jira, Trello, Sprint Planning, Task Prioritization

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## EDUCATION

### University of Moratuwa

2023 - Present

4th Year Undergraduate

BSc (Hons) in Information Technology

### Esoft Metro Campus

2018

Diploma in Information Technology

### Ananda College, Chilaw

2012 - 2020

G.C.E (Advanced Level) - Combined Mathematics (A), Information Technology (A), Physics (B)

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## ADDITIONAL EXPERIENCE

- **National Arbiter**, International Chess Federation (FIDE) and internationally rated player. Currently Chess Coach at Super Knights International Chess Academy; previously chess coach at a national school.
- **Project Chair**, Den of Kings (Phase II / Phase III)
- **Web Committee Lead**, Mora Foresight 3.0 (previously Web Committee Member, Mora Foresight 2.0)
- **Program Committee Lead**, VRCade Project
- **Editor**, Telegram Info Team
- **Blockchain Event Organizing Team & Host**, Ceylon Cash Community, MEXC
- **Web Committee Member** for technical projects including IEEE Open Week and Hand in Hand.
- Active member in university societies including **IEEE**, **Rotaract Club**, and **Leo Club**, contributing to various events and projects such as the **NFB Championship** and **Moraventures 6.0**.

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## REFERENCES

### Ms. PG Shalini Upeksha

Department of Interdisciplinary Studies  
Faculty of Information Technology  
University of Moratuwa

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