

NISAL MALLAWAARACHCHI

+94 74 134 3437

✉️ nisalmallawachchi@gmail.com



[NisalMallawaarachchi](#)



[NisalMallawaarachchi](#)

[Portfolio](#) | [Blog](#)

SKILLS

- **Backend:** Node.js (Express) | Java (Spring Boot) | Python
- **Frontend:** React | Next.js | TypeScript | JavaScript | Tailwind CSS
- **Other Programming Languages:** Java | Python | PHP | C | C++
- **Databases:** MongoDB | MySQL | PostgreSQL | Oracle | Neon
- **ORM/BaaS:** Prisma | Supabase
- **Tools and Technologies:** n8n | AWS | EC2 | S3 | Docker | Git/GitHub | Postman | Redux Toolkit | Odoo | JWT | OAuth2
- **Soft Skills:** Leadership | Team Collaboration | Fast Learner

PROFESSIONAL SUMMARY

Software Engineer with strong backend expertise and leadership experience in MERN-based enterprise systems. Promoted to Assistant Team Lead within 2 months, managing a 40+ member cross-functional team spanning backend, frontend, QA, DevOps, and maintenance. Experienced in system design, database optimization, authentication, automation, and scalable architecture. Actively involved in research-driven development and modern DevOps practices using Docker and AWS.

PROFESSIONAL EXPERIENCE

Gamage Recruiters (Pvt) Ltd

Software Engineer Intern | Assistant Team Lead

Panadura

Aug 2025 – Feb 2026

- Promoted to Assistant Team Lead, coordinating backend, frontend, QA, maintenance, and DevOps teams within a 40+ member cross-functional engineering unit
- Led system design and architecture discussions, applying design patterns and Clean Architecture to improve maintainability
- Designed and implemented scalable backend architectures using Node.js, Express.js, MongoDB, and MySQL for multiple production systems
- Managed deployment and CI/CD workflows using Docker and AWS, and built n8n automations to streamline ERP form submissions and internal processes
- Optimized database schemas and queries, reducing API response latency by up to 30% and improving system performance

Tech Stack:

MERN Stack, Node.js, Express.js, MongoDB, MySQL, React, React Native, Python, Docker, AWS, n8n, Odoo

PROJECTS

VeloPath | Intelligent Bicycle Navigation System | Flutter, Node.js, ML, OpenStreetMap, Supabase, PostgreSQL

[\[Live Demo\]](#) | [\[GitHub Repo\]](#)

- Architected an intelligent bicycle navigation system combining ML-driven hazard detection, confidence-based crowdsourced verification with temporal decay, and multi-objective routing to dynamically adapt to changing road conditions
- Built a gamified POI discovery mechanism and supported full-stack mobile development, evaluating system effectiveness through field deployments and route-based experiments

Expense Tracker AI | Modern AI-Powered Expense Tracking Web App | Next.js 15, Tailwind CSS, Neon, Clerk, PostgreSQL, OpenRouter, Vercel

[\[Live Demo\]](#) | [\[GitHub Repo\]](#)

- Implemented secure multi-provider authentication using Clerk (Google, GitHub, email) and built real-time dashboards with analytics, charts, and dark/light mode support, improving user onboarding flow and session continuity
- Integrated AI-driven expense categorization and financial insights using OpenRouter, enabling automated category suggestions and personalized spending recommendations, reducing manual categorization effort and improving data accuracy

Horizon Homes | Full Stack Real Estate Web App | MERN Stack, Tailwind CSS, Redux Toolkit, JWT, Google OAuth2, Render

[\[Live Demo\]](#) | [\[GitHub Repo\]](#)

- Delivered a secure full-stack MERN real estate platform with JWT + Google OAuth authentication and protected routes, improving user security and session reliability
- Built advanced listing search and filtering using optimized MongoDB queries (sorting, limits, keyword search), enabling faster and more relevant property discovery

EDUCATION

Sri Lanka Institute of Information Technology (SLIIT)

BSc (Hons) in Information Technology

Cumulative GPA: 3.21/4.0

Malabe, Sri Lanka

Expected June 2026