

# AMANDYA NETHRANJA KARIYAWASAM

Kandy , Sri Lanka | +94 703136110 | [amandyanethranja@gmail.com](mailto:amandyanethranja@gmail.com)

**LinkedIn:** <https://www.linkedin.com/in/amandya-nethranja-8925b3316/> **GitHub:** [github.com/amanda2001-klank](https://github.com/amanda2001-klank)

## Objective

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IT undergraduate with hands-on experience in full-stack development, mobile app development, and database management. Proven track record of delivering user-centric applications using modern technologies including MERN stack, Kotlin, and Java. Demonstrated leadership through multiple extracurricular roles and strong problem-solving abilities across diverse technical projects. Seeking opportunities to apply technical expertise and collaborative skills in innovative software development environments.

## Work Experience

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**Commercial Bank of Ceylon PLC - Banking Intern** 2022-2023

- Assisted in daily banking operations including customer service, account management, and transaction processing
- Collaborated with banking teams to streamline document verification and customer onboarding processes

## Education

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**Undergraduate at Sri Lanka Institute of Information Technology (SLIIT)** 2023-Present

Faculty Of Computing - BSc (Hons)-Information Technology

**American College of Higher Education** 2022

Certificate Course

**Ranabima Royal College-Kandy** 2012- 2021

G.C.E (A/L) Biology Science Stream

## Skills & abilities

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- Programming Languages - Java , React , JavaScript , Python , Kotlin , PHP, C++ , C#
- Web Technologies - HTML, CSS, Tailwind CSS
- Databases - MySQL, MongoDB
- Frameworks and Technologies - MERN stack (MongoDB, Express.js, React.js, Node.js), .NET
- IDEs and tools - VS Code , RStudio, Eclipse, Dev-C++, Git, GitHub
- Analyzing tools – power BI

## Projects

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**Sustainable Energy Management System(FutureWatt) | ReactJS, MaterialUI, NodeJS, MongoDB, Stripe** 2025

- Engineered a full-stack web application for a solar energy solutions provider, streamlining sales operations and customer relationship management
- Designed and implemented role-based dashboards for sales managers, payment managers, technicians, and administrators to enhance operational efficiency
- Executed a payment gateway, income and salary calculation and displaying system, OTP verification, and pdf generation for invoices and reports.

### Finance Tracker App (FINIX) | Kotlin, MPAndroidChart, SQLite

2025

- Developed a comprehensive Android finance management application enabling users to track income, expenses, and budgets with real-time insights
- Integrated real-time budget alerts, data persistence with SharedPreferences, and a transaction history view.
- Used MPAndroidChart for graphical representation of spending trends and added currency selection.
- Executed push notifications and backup functionality for a complete mobile user experience.

### Online Stock Management System (Fresh Mart) | HTML, CSS, JavaScript, Java

2024

- Built a comprehensive inventory and sales management system for grocery retail operations using Java backend architecture
- Created role-based access control dashboards for inventory managers, warehouse staff, salespersons, and administrators
- Implemented real-time stock tracking and automated alerts for low inventory levels to optimize supply chain management

### Personal portfolio (Fresh Mart) | ReactJS, CSS, GSAP, Spline

2025

- The portfolio was implemented using React and CSS to create a responsive and dynamic user interface.
- The project goes beyond basic web design by incorporating 3D models created with Spline and features engaging web animations designed using GSAP, demonstrating expertise in creating highly interactive and visually rich user experiences.

## PERSONAL ACHIEVEMENTS

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- **President Scout Award** - Sri Lanka Scout Association | 2019
- **Presidential Award for Art** | 2017

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

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- **Batch Representative** - SLIIT Kandy Campus | 2025
- **OG Manager** - AIESEC Club, SLIIT Kandy Campus | 2024
- **Assistant Scout Master** - 326th Kandy Scout Group | 2023 - Present
- **Vice President** - Kandy District Rover Crew (Rego Rover) | 2023
- **President** - 326th Kandy Scout Group | 2020
- **Captain** - College First Aid Unit, | 2020
- **Minister** - Student Parliament | 2017
- **Vice President** - College Art Circle | 2017
- **Cadet** - College Cadet Platoon | 2016

## LANGUAGES

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- English
- Sinhala

## REFERENCES

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| <ul style="list-style-type: none"><li>• <b>Prof Kamalanath Samarakoon</b><br/>B.Sc.Eng (Hon). M.Eng (AIT), Ph.D (Cardiff, UK),<br/>C.Eng, FIE(SL), MIET, C.Eng (UK), SMIEEE (USA)<br/>Head, Department of Computing SLIIT Kandy Uni<br/>Email : <a href="mailto:kamalanath.s@kandyuni.lk">kamalanath.s@kandyuni.lk</a><br/>Phone : 081 7544 801</li></ul> | <ul style="list-style-type: none"><li>• <b>Miss Menaka Moonamaldeniya</b><br/>Lecturer ,<br/>Coordinator Local Degree Programs<br/>Department of Computing SLIIT Kandy Uni<br/>Phone : 081 7544 888<br/>Email : <a href="mailto:menaka.m@slit.lk">menaka.m@slit.lk</a></li></ul> |
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