



# RAVINDU ARIYARATHNE

## Software Engineering Graduate

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Depanama, Pannipitiya.

### ► WORK EXPERIENCE

#### National Development Bank PLC

Undergraduate Intern - Software Engineering (August 2023 – August 2024)

- Developed a web application with middleware functionality using **Spring Boot**, **MySQL**, and **Java** for the eRemittance transaction system, enabling efficient monitoring and resolution of ambiguous transactions for the Remittances department.
- Built a repository analytics dashboard with **Spring Boot** and **JavaScript** to track GitLab repository activities, providing real-time insights and optimizing the development workflow.
- Collaborated with development teams, contributed technical documentation, and adapted quickly to new technologies and project requirements.

#### DFCC Bank PLC

Trainee – Personal Financial Services Dept. (February 2021 – June 2021)

- Processed new credit card applications in the Personal Financial Services department, ensuring accuracy and timely handling of customer data while maintaining compliance with banking procedures.

### ► EDUCATION

#### BEng (Hons) Software Engineering

Second Class Lower Division

University of Westminster (UK), IIT Sri Lanka (January 2022 – September 2025)

- Completed a four-year Bachelor of Engineering in Software Engineering, including a year-long industrial internship.
- Developed strong knowledge of software engineering principles, modern development practices, and multiple programming languages.
- Completed two major research and development projects, demonstrating problem-solving and analytical skills.
- Relevant Coursework: Object Oriented Programming, Database Systems, Server-Side Web Development, Machine Learning and Data Mining, Algorithms & Data Structures, Concurrent Programming.

#### GCE Advanced Level – Physical Science Stream

Royal College, Colombo 07 (July 2017 – August 2019)

- |                 |                            |
|-----------------|----------------------------|
| • Physics – C   | • Combined Mathematics – S |
| • Chemistry – C | • General English – A      |

### ► OBJECTIVE

Recent Software Engineering graduate with hands-on internship experience, looking to grow and contribute effectively in a technical capacity in a collaborative, team-oriented environment.

### ► TECHNICAL SKILLS

- Java
- Spring Boot
- Python
- React
- NextJs
- Machine Learning
- JavaScript
- HTML/CSS
- GIT
- Docker
- Azure

### ► ESSENTIAL SKILLS

- Adaptability
- Communication
- Problem-Solving & Critical Thinking
- Teamwork & Collaboration
- Time Management

## ► VOLUNTEER WORK

- Member of IEEE Computer Society Student Branch Chapter of IIT (2022 – 2025)
- Member of Leo Club of IIT (2022 – 2025)
- Volunteer teacher at Vajira Buddhi Dhamma School, Depanama, Pannipitiya. (2022 – Present)
- IIT Cutting Edge 2022 – Secretarial Committee Volunteer
- IIT Cutting Edge 2025 – Volunteer

## ► HOBBIES

- Chess
- Geography
- Hiking
- History
- Video Games

## ► REFERENCES

**Mr. Indika Shyamal**  
Senior Software Engineer  
National Development Bank PLC  
Tel: +94 77 303 2635  
Email:  
indika.shyamal@ndbbank.com

**Ms. Hirushi Ekanayake**  
Senior Software Engineer  
Worldline  
Tel: +94 76 688 0114  
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hirushi.ekanayake@worldline.com

## ► PROJECTS

### **SpendSense – Final Year Research Project**

#### AI-Powered Personal Financial Advisor

- Designed and developed SpendSense, an AI-driven platform that provides personalized financial advice by analyzing individual spending habits, income, and financial goals using machine learning and **NLP**.
- Built with a **Flask** backend and **React** frontend, integrating a multi-output XGBoost model for expense prediction, Isolation Forest for anomaly detection in SMS transactions, and Prophet for stock forecasting.
- Implemented an interactive dashboard with real-time visualizations and a chatbot interface, enabling users to receive tailored budget plans, detect anomalies, and access investment insights.

### **ChatLink – Personal Project**

#### Real-Time Web Chat Application

- Developed a real-time 1-to-1 chat application with **Spring Boot**, **WebSockets**, **Thymeleaf**, and **MySQL**, supporting instant messaging and file attachments.
- Implemented secure user authentication, and email verification using SMTP and API-key-based transactional email services.
- Designed chat features including message replies, chat deletion, and mobile-responsive UI for cross-device usability.
- Containerized the application with **Docker** and managed cloud deployment on **Railway**, implementing persistent storage volumes for user-uploaded media.

## ► OTHER ACCOMPLISHMENTS / COURSES

- Microsoft Certified: Azure Data Fundamentals – Microsoft
- Microsoft Certified: Azure AI Fundamentals – Microsoft
- Ethics in the Age of Generative AI – LinkedIn Learning
- Introduction to Prompt Engineering for Generative AI – LinkedIn Learning
- Agile Project Management with Jira Cloud: 1 Projects, Boards, and Issues – LinkedIn Learning
- Agile Project Management with Jira Cloud: 2 Lean and Agile Processes – LinkedIn Learning
- Artificial Intelligence Foundations: Machine Learning – LinkedIn Learning
- Excel: Using Solver for Decision Analysis – LinkedIn Learning
- Recommendation Systems: A Practical Hands-On Introduction – LinkedIn Learning
- Programming Foundations: Fundamentals – LinkedIn Learning
- Pearson assured diplomas in IT and English – ESOFT Metro Campus (2021)