

MANUJA HAPUARACHCHI

Colombo, Sri Lanka

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EDUCATION

UNIVERSITY OF COLOMBO(UCSC)

Bachelor of Science

Colombo

Major in Computer Science

May 2023 – Present

Cumulative GPA: 3.4098/4.0

TAXILA CENTRAL COLLEGE

Advanced Level – Physical Science Stream

Horana

Mar 2013 – Dec 2022

PROJECTS

FARMIO (3rd Year Group Project)

May 2025 – Present

Engineering a multi-sided platform to streamline transactions among 500+ farmers, buyers, transport providers, waste management agents, and warehouse owners. Aiming to increase farmers' profits by approximately 6% by eliminating middleman markups.

- Designed frontend and backend using React, Tailwind CSS, and Spring Boot Microservices, supporting 100+ listings.
- Collaborated within a 5-member Agile team using Git and Docker for version control and deployment.

Technologies: React, Tailwind CSS, Docker, Java Spring Boot, PostgreSQL, Git

Microservices Architecture .

PARLIMATE (2nd Year Group Project)

May 2024 – May 2025

A scalable engagement platform connecting citizens, politicians, and political parties with role-based access, secure authentication, and interactive features such as surveys, posts, announcements, fundraising, and meetings.

- Built secure login and registration system with Java Servlets and Tomcat, adopted by 50+ test users.
- Created survey creation module enabling members to create and share 50+ surveys.
- Worked in a 4-member Agile team, following MVC architecture and collaborative reviews in Figma.

Technologies: Java Servlets, Tomcat Server, HTML, CSS, JavaScript, PostgreSQL, Git, MVC,

Figma

SHOPPER (RAD Project)

Aug 2024 – Sep 2024

An e-commerce clothing platform enabling sellers to manage products and customers to shop.

- Init secure checkout backend with Node.js
- Integrated product, inventory, and order management for admins, supporting 20+ items.
- Contributed to frontend checkout workflow tested by 10 customers.

Technologies: React , MongoDB, Express.js, Node.js

CEYACT (Solo Project)

Oct 2023 – Jan 2024

A full-stack social media platform focused on user connectivity, secure account management, and interactive content sharing.

- Assembled authentication features (Login & Register) with session-based access control.
- Implemented Profile Management, Follow/Unfollow, and Search functionality for 10+ users.
- Enabled users to share and interact with 20+ posts across connected profiles.

Technologies: PHP, MySQL, HTML, CSS, JavaScript, XAMPP, MVC, phpMyAdmin

CONVO (Mobile Application Development Project)

A real-time messaging app featuring QR code-based connections for faster and more secure chat initiation.

- Coded real-time messaging system with Firebase, handling 50+ messages
- Integrated QR codes for secure connections.
- Implemented user authentication and chat UI in Flutter, tested with 20 users.

Technologies: Flutter, Firebase, Android Studio

MACHINE LEARNING PROJECTS (Solo Projects)

A collection of exploratory ML projects focused on predictive modeling and data analysis.

- House Price Prediction Model – Built and deployed a regression-based machine learning model on 20,000+ property records, achieving 67% prediction accuracy using Scikit-learn.
- Iris Flower Classification – Developed an Artificial Neural Network (ANN) model to classify iris flower species with high accuracy, applying TensorFlow/Keras and deep learning techniques for multiclass classification.
- SMS Spam Classification – Designed and trained an Artificial Neural Network (ANN) for SMS spam detection using TensorFlow/Keras.

Technologies: Python, Scikit-learn, NumPy, Pandas, Matplotlib, Jupyter, Anaconda

CORE COMPETENCIES

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|----------------------------------|--------------------------------|---------------------------|
| • Data Structures and Algorithms | • Git | • HTML CSS JavaScript |
| • Object-Oriented Programming | • Linux | • Agile Scrum SDLC |
| • Design Patterns | • React Node.js Express.js | • MySQL PostgreSQL |
| • Python | • Cloud (AWS) Docker | • MongoDB |
| • AI ML | • Software Architectures | • Flutter |
| • JAVA PHP | • VS code IntelliJIDEA | • XAMPP Tomcat |
| • Communication | • Prompt Engineering | • Collaboration |

CERTIFICATIONS

- Complete Guide to Java Design Patterns | LinkedIn Learning (2025)
- Java Object-Oriented Programming | LinkedIn Learning (2025)
- Deep Learning: Getting Started | LinkedIn Learning (2025)
- Machine Learning Foundations : Statistics | LinkedIn Learning (2025)
- AWS Educate Introduction to Cloud 101 | AWS (2025)
- Java Basic | HackerRank (2024)
- Python Basic | HackerRank (2025)
- Python for Beginners | University of Moratuwa (2023)

HackerRank : <https://www.hackerrank.com/profile/hapuarachchiran1>

PERSONAL INFORMATION

- Language: English (Professional), Sinhala (Native)

EXTRA-CURRICULAR ACTIVITIES

- Former Member, Gavel Club
- Sports: Badminton and Chess

REFERENCES

Mr. W.R.N.S Abeyweera

Lecturer

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