

Ravidu Peiris

Computer Science Undergraduate

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Professional Summary

Results-driven Computer Science undergraduate with hands-on experience in full-stack development, system architecture, and cloud-based deployments. Skilled in building scalable applications using React, Node.js, Express, MongoDB, and microservices. Proficient in DevOps practices including Docker, GitHub Actions CI/CD, and AWS EC2 deployments with zero-downtime automation. Strong foundation in RESTful API design, security best practices, and performance optimization. Seeking a Software Engineering role to apply technical expertise, problem-solving skills, and a passion for delivering high-quality, production-ready solutions.

Education

- **Bachelor of Science in Computer Science** 2023 – Present (Expected: June 2026)
University of Colombo School of Computing CGPA: 3.52/4.00
– Director's List 2024 - Recognized for outstanding academic performance
- **G.C.E. A/L - Common Stream** 2019 – 2021
Nalanda College, Colombo 10 | Mathematics, IT, Physics Z-Score: 1.732 | Result: 1A 2B
- **G.C.E. O/L** 2017 – 2018
Royal College, Panadura Result: 8A 1C

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, Python, PHP, C, C++, R, Octave, Scala
- **Frontend Development:** React, React Native, HTML5, CSS3, Tailwind CSS, NativeWind
- **Backend Development:** Node.js, Express.js, PHP Frameworks
- **Mobile Development:** React Native, Expo
- **Databases:** MongoDB, MySQL, Appwrite
- **Cloud & DevOps:** AWS (EC2, Security Groups), Docker, CI/CD (GitHub Actions), Nginx
- **Architecture & Design:** Microservices, 3-Tier Architecture, MVC, RESTful APIs, UI/UX Design
- **Security & Authentication:** JWT, Bcrypt, Environment Configuration, Security Best Practices
- **Tools & Platforms:** Git, GitHub, Docker, Figma, Visual Studio Code, IntelliJ IDEA, Jupyter Notebook
- **Development Environments:** Linux, Windows

Technical Projects

- **WanderLanka - Tour Management Platform** Aug – Nov 2025
University 3rd Year Project Full-Stack Web & Mobile Application
 - Developed a comprehensive tour management system with real-time booking capabilities, customer interaction features, and package management using microservices architecture for enhanced scalability and modularity
 - Built RESTful APIs for seamless communication between frontend and backend services, implementing secure authentication and authorization
 - Created responsive mobile application using Expo for cross-platform deployment
 - **Technologies:** MERN Stack (MongoDB, Express.js, React, Node.js), TypeScript, Tailwind CSS, Expo
 - **Skills:** Full-stack development, microservices architecture, RESTful API design, mobile app development, team collaboration

•VetiPlus - Veterinary Management System

2025

University 2nd Year Project

Web Application

- Engineered a comprehensive veterinary service management platform featuring pet records, appointment scheduling, feedback system, and role-based access control
- Implemented MVC architecture ensuring clean code separation, maintainability, and scalability
- Designed and optimized MySQL database schema for efficient data retrieval and storage
- **Technologies:** HTML5, CSS3, JavaScript, PHP, MySQL
- **Skills:** PHP development, database design, MVC architecture, role-based access control, client-server communication

•RaviTrends - E-Commerce Platform

2025

Personal Project

Full-Stack Web Application | MERN Stack | AWS | Docker | CI/CD

- Built a full-stack e-commerce system with product catalog, cart, authentication, and order management. Delivered a responsive UI and deployed the platform using a complete DevOps pipeline with Docker, GitHub Actions CI/CD, and zero-downtime deployments on AWS EC2.
- **Technical Skills:** MERN Stack, Tailwind CSS, AWS EC2, Docker, Nginx, GitHub Actions (CI/CD), RESTful APIs, JWT authentication, Bcrypt hashing, 3-tier microservices, Stripe payment gateway, Cloudinary

•Movie Discovery & Management App

2025

Personal Project

Mobile Application

- Built a cross-platform mobile application for discovering, searching, and managing movies with personalized collections
- Integrated TMDB API for real-time movie data and implemented secure authentication using Appwrite
- **Technologies:** React Native, Expo, NativeWind, Appwrite (Auth, Database, Storage), TMDB API, TypeScript
- **Features:** User authentication, trending/popular movies, advanced search functionality, personal movie collections

Professional Certifications & Training

•Google AI Essentials

Coursera - Google

•Microsoft AI & ML Engineering Professional Certificate(In Progress)

Coursera - Microsoft

•Advanced Multimedia Web Design and Development Techniques

ADMTC - UCSC

•MERN Stack - Launch Your Startup Idea

DevTown - Microsoft Student Chapter & Google Developers Group

•Python for Beginners & Python Programming

CODL - University of Moratuwa

•Web Design for Beginners

CODL - University of Moratuwa

Supplementary Education

• Diploma in Marketing | LPEC Campus

2023 – 2024

• Diploma in Accounting & Business | The Association of Accounting Technicians (AAT)

2019 – 2023

Leadership & Extracurricular Activities

•News and Content Manager

ISACA Student Chapter - UCSC

•Secretary

LevelStair Community

•Event Organizer

Computer Society - Nalanda College

Achievements & Recognition

•Director's List 2024

University of Colombo School of Computing

•Champion - Freshers' Chess Championship

Freshers' Interfaculty Tournament - University of Colombo

•1st Runner-Up - 4x100m Relay

Freshers' Interfaculty Tournament - University of Colombo

•Participant - RevolUX 3.0

IEEE Student Branch of UCSC

References

Mr. Viraj Welgama

Lecturer & Programme Coordinator

University of Colombo School of Computing

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Ms. Oshadee Dasanayake

Assistant Lecturer

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