

CONTACT

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Github

Linkedin

Kaggle

YouTube

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ABOUT ME

I am a responsible, self-motivated IT undergraduate with solid leadership qualities and a strong team spirit with a passion for taking on new challenges. Dedicated to continuous learning and innovation, I strive to make meaningful contributions and inspire excellence in others.

SKILLS

Programming Languages

- C , Java , Python , TypeScript , Go , C# , Rust

Web & Mobile Development

Front-End

- HTML ,CSS , JS & TS , Tailwind CSS, React JS, Next js, ReactNative

Back-End

- Node + Express js , Next js API , Spring Boot , Ballerina , Flask , Fast API

Databases

- MongoDB , Firestore , MySQL , PostgreSQL , SAP HANA

Cloud Services

- AWS, Google Cloud, Firebase, MongoDB Atlas

Aditha Buwaneka

Final Year IT Undergraduate

University of Moratuwa

EDUCATION

University of Moratuwa

BSc. (Hons) in Information Technology (2023 to Present)

Ananda College, Colombo

G.C.E. Advanced Level Examination - 2021 Maths Stream (2A1B, Z-Score: 1.8705)

WORK EXPERIENCE

Intern Engineer - Enterprise AI & Digital Platform Solutions

October 2026 – Present

ApexNova Global (Pvt) Ltd

Intern Software Engineer

February 2026 – August 2026

Acentura (Pvt) Limited

- Delivered systems integrated with the SAP Business One ERP for clients across the retail, distribution and manufacturing sectors, including REST APIs and middleware connecting point-of-sale and web applications, mail notification services, and automated background services.
- Developed a SAP Web Client add-on, contributed to a microservices-based product, and generated Crystal Reports programmatically.
- Owned the full delivery cycle from development through cloud server setup and deployment to ongoing production support, and built the CI/CD pipelines used to release services to Huawei Cloud.
- Used Claude Code as a daily development tool across the delivery cycle, from writing and reviewing code to debugging and documentation.

Technologies: Node.js, Next.js, React, TypeScript, Go, C#, Rust, SAP HANA, PostgreSQL, MongoDB, Apache Kafka, Docker, Bitbucket

PROJECTS

BizSpark AI - AI Agent SaaS Platform for Small Businesses

March 2026 - June 2026

Multi-tenant SaaS platform where AI agents generate and run a small business's online presence, built as six services communicating over REST APIs and a Redis job queue.

As Team Lead I built the website generation agent, the MCP server in Go, the Kubernetes deployment, and the DNS setup with a wildcard subdomain for every generated storefront.

Technologies: Next.js, NestJS, Go, Python, LangGraph, PostgreSQL, Redis, Kubernetes, Google Cloud

Frontend : github.com/codesprint-bizspark/BizSpark-AI---FE

Backend : github.com/codesprint-bizspark/Bizpark--AI-BE

TechTorque - Vehicle Service Management Platform

September 2025 - December 2025

Vehicle service management platform built as eight Spring Boot microservices.

I built the appointment and scheduling service, covering booking, availability and calendar endpoints, with Maven builds and unit tests run through CI.

Technologies: Next.js, Spring Boot, PostgreSQL, Maven, Docker

GitHub : github.com/TechTorque-2025

CircularSync - Industrial Waste Marketplace Platform

August 2025 - September 2025

B2B industrial waste marketplace with AI-powered quality assessment and field agent verification.

As Team Lead I designed the platform workflows and built the authentication, auction, delivery and wallet modules, real-time bidding, Google Calendar integration and the buyer interface.

Technologies: Ballerina, Next.js, WSO2 Asgardeo, Choreo Platform, Docker

Ballerina Connectors: postgresql, googleapis.gcalendar

GitHub : github.com/CyclesyncDevsync/iwb25-164-devsync

Demo : www.youtube.com/watch?v=ugAxt5w6RZU

Secura - AI-Powered Cyber Incident Management Platform

July 2025 - August 2025

AI-driven cyber incident management platform with role-based workflows for employees, security teams and admins.

As Team Lead I built the AI-assisted incident reporting, the admin panel, and the real-time chat and notification system.

Technologies: Next.js, FastAPI/Python, Firestore, Gemini API, WebSocket, ImageKit.io

GitHub : github.com/AdithaBuwaneka/Secura

Development Tools

- Vscode, Intelij IDE, Pycharm, CLion, Jupyter Notebook
- Docker, CI/CD Pipelines

Version Control & Testing

- Git & GitHub, Bitbucket, Postman, Swagger

Design Tools

- Figma , Blender , Gimp , CorelDraw , Canva

Project Management Tools

- Figjam , Clickup , Jira

Other Skills

- Leadership Skills
- Team Working
- Communication Skills
- Presentation Skills
- Creativity & UI designing
- Fast Learning

INTERESTS AND HOBBIES

- Music
- Watching Movies
- Reading E books

LANGUAGES

- Sinhala (Native)
- English

REFEREES

MS.M.N. CHANDIMALI

Lecturer,

Department of Information Technology,

Faculty of Information Technology,

University of Moratuwa.

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Mr. Diluksha Shamal

AI Engineer,

Codezela Technologies,

Colombo.

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Skill Swap Hub - 2nd year software project

October 2024 - July 2025

Skill exchange platform connecting students and professionals for peer-to-peer learning.

I built the authentication flow with login, registration and password reset, the home page, the skill listing and matching features, trending skills and the user feedback sections.

Technologies: Next.js, Next.js API, MongoDB

GitHub : github.com/Code102SoftwareProject/skill-swap-hub

Thambapanni - Travel App for Sri Lankan Tourism

December 2024 - March 2025

Mobile travel platform connecting tourists with verified Sri Lankan guides and local experiences.

I built the authentication flow, destination search, guide discovery and vehicle selection, the map section, and email verification for guide invitations.

Technologies: React Native, Node + Express js, Firestore, SendGrid, ImageKit.io

App : github.com/AdithaBuwaneka/Thambapanni

Backend : github.com/AdithaBuwaneka/Thambapanni_backend

Demo : youtu.be/YTTj_U_wQfE

GrillChill - Interactive VR/AR Food Experience

February 2025

Immersive VR/AR culinary platform for virtual food exploration.

As Team Lead I built the VR experience and the AR food component visualisations, and supported the interactive 3D food carousel.

Technologies: Figma, Draft XR, Bezi

Figma Prototype : rb.gy/48gjqa

Demo : www.youtube.com/watch?v=SRixbJXi0Lg

Safe Carry Plus - IoT Project, 1st year hardware project

October 2023 - July 2024

Intelligent luggage protection system with biometric authentication, GPS tracking and mobile app control.

I worked on the ESP32 built-in Bluetooth, the magnetic door sensor, the buzzer, LED strip and push button, and the PCB design.

Technologies: C++, Arduino IDE, Blynk Platform, FreeRTOS, ESP32

GitHub : github.com/AdithaBuwaneka/Safe-Carry-Plus-IOT-ESP32

Demo : youtu.be/OKlRML9rKA8

ACHIEVEMENTS AND PARTICIPATIONS

- **Sri Lanka AI Challenge - IEEE Challenge Sphere 2025** - IEEE AI Driven Sri Lanka & IEEE Young Professionals Sri Lanka
  Champions | Team Leader | Project : Smart Transit Companion | Certificate
- **DataStorm 7.0 - Advanced Analytics Competition** - Rotaract Clubs of UoM & Faculty of Science, UoC
  Champions | Team Leader | Project : Outlet Intelligence | Certificate
- **SpiritX 2025 - Inter University Development Competition** - MoraSpirit 360, University of Moratuwa
  Champions | Team Member | Project : SportsBookSL | Certificate
- **Hacktivate 25 - Inter University Development Competition** - NSBM Green University
  1st Runner Up | Team Leader | Project : Secura | Certificate
- **Beauty of Cloud - AWS Cloud Ideathon** - IEEE Computer Society, University of Sri Jayewardenepura
  1st Runner Up | Team Member | Project : Blockchain based event ticketing system | Certificate
- **Tech-Triathlon 2026 - Designathon, Hackathon & Datathon** - Rootcode
  2nd Runner Up | Team Leader | Project : Waypoint Relay | Certificate
- **Code with WIE 2025 - Innovative Product Competition** - IEEE Women in Engineering AG, Sri Lanka Section
  Best Social Impact Award | Team Leader | Project : CareFinder | Certificate
- **Innovate with Ballerina Coding Challenge 2025** - IEEE Student Branch of UoM with WSO2
  Top 10 Finalist | Team Leader | Project : CircularSync | Certificate
- **SHECODERess V6.0 - The Hack & Design Showdown** - IEEE WIE Student Branch AG, Uva Wellassa University
  Top 4 Finalist | Team Member | Certificate
- **CodeRally 6.0 - The Hackathon** - IEEE Computer Society SB Chapter of IIT
  Finalist, Advanced Tier | Team Member | Certificate
- **Innovate with Ballerina Coding Challenge 2024** - IEEE Student Branch of UoM with WSO2
  Most Popular Top 10 Idea | Team Leader | Project : FisherMate | Certificate

VOLUNTEERING

- Web Team Member : FIT Official Website by Faculty of IT - UOM | **Letter**
- App Developer : SuwaKekulu Project by Rotaract club of UOM | **Certificate**
- Web Committee Member : OctWave 2.0 by IEEE IAS UOM | **Certificate**
- Design Committee Member : Beyond the Pages 1.0 by IEEE RAS UOM | **Certificate**
- Event Coordinator : FIT FUTURE CAREERS 2024 by INTECS - UOM | **Letter**