



# ASHAN WIMALASIRI

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Peradeniya, Sri Lanka

## CONTACT

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- 📍 Madalagama, Kahawatta
- 🌐 [University Profile](#)
- in [LinkedIn](#)
- 🐙 [GitHub](#)

## EDUCATION

2021 - 2025

PERADENIYA UNIVERSITY

- Bachelor of science in Engineering
- GPA: 3.65 / 4.0

2017 - 2019

G.C.E. ADVANCE LEVEL

- Gankanda Central College
- Physical Stream - 3As
- Z - Score - 2.1459

2016

G.C.E. ORDINARY LEVEL

- Dharmaloka Navodya school
- 8As and B

## SOFT SKILLS

- Project Management
- Problem Solving
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

## PROFILE

I am an enthusiastic 3rd-year undergraduate at the University of Peradeniya, and a result-driven professional with a passion for API Development, Machine learning, and DevOps sides.

## PROFESSIONAL SKILLS

- **Frontend Development** - React | jekyll | Bootstrap | Material UI | HTML | CSS
- **Backend Development** - Spring Boot | Django | Node.js | Express
- **Database** - MySQL | MongoDB | PostgreSQL
- **Programming Languages** - Java | Python | JavaScript | C | ARM assembly
- **Libraries** - Scikit-learn | OpenCv | numpy | Matplotlib | pandas | tensorflow
- **Version controlling** - Git | Docker
- **Build Tools** - Maven | Gradle

## PROJECTS

### Company Access Authentication System | Group

Web Application, Azure Hosting, Machine Learning model fine tuning  
([GitHub](#) | [Website](#))

Software and hardware implementation for marking employee's attendance using their face, fingerprint and secure key according to company administration requirements.

**Technologies - React | Django | MySQL | Linux | Azure hosting service**

Contribution : Web application development(Frontend and Backend) and camera setup on raspberry pi

### Faculty Management System | Group

Web Application, Database Management  
([GitHub](#) | [Website](#))

Faculty administration can handle the detail of modules, lectures, and students through user friendly dashboard.

**Technologies - React | Spring Boot | MySQL**

Contribution : Spring Boot Backend development

### Spring Boot Backend in MVC architecture | Personal

API Integration  
([GitHub](#))

implementing Spring boot Backend with the database connection and the testing part. Endpoints are tested through Postman.

### Diabetes Health Indicator | Group

Data Preprocessing, Machine Learning, Web Application  
([GitHub](#) | [Website](#))

## COMPETITIONS

### ACES Coders v10 - 2023

- Achieved 6th overall rank in the Pre Coders from University colloques and Selected to the coders.
- Achieved 12th overall rank from inter university competition with 100+ teams

### ACES Coders v9 - 2022

- Achieved 21th overall rank from the inter University competition.

### Hackathon - 2023

- Proposed project - Bus tracking system in Sri Lanka transport service aiming to provide real-time information to the passengers.

## CERTIFICATIONS

- ROAD TO COADMANIA 22' Algorithm coding challenge passed, conducted by IEEE computer society student branch chapter of Sri Lanka Technological Campus.
- Linux Tools for Software Development on EDX (LFD 108x)
- Introduction to Linux on EDX (LFX 101x)
- Programming for Everybody in University of Michigan on Coursera.
- PHOTOMATH company freelancing work certification (Complex Math problem solutions support)

## LANGUAGES

- English (Fluent)
- Sinhala (Fluent)

## REFEREES

Prof. Roshan G. Ragel  
roshnr@eng.pdn.ac.lk  
Head of Department,  
Faculty of Engineering, University of  
Peradeniya, Sri Lanka.  
+94 81 239 3913

Dr. Isuru Nawinne  
isurunawinne@eng.pdn.ac.lk  
Senior Lecturer,  
Faculty of Engineering, University of  
Peradeniya.  
+94 81 239 3470

Developing a machine learning model that can predict the diabatic condition of a person according to their lifestyle. We developed SVM, random forest, logistic regression, Gradient boosting algorithm and evaluated their performance.

**Technologies - Python | MLOps | React | Flask | Linux | mlflow | CI/CD**

Contribution : Team leader for the project. Data pre processing pipeline Design, Machine learning model implementation, CI/CD pipeline implementation.

### 74 Series Automatic IC tester using FPGA | Group

Hardware Project  
([GitHub](#) | [Website](#))

74 Series All ICs gate level checking equipment and identifying fault gates.

**Technologies - Verilog | Assembly**

Contribution : Developing the Connection of IR remote with FPGA board to data transfer.

### School Attendance Management system | Group

Web Application  
([GitHub](#) | [Website](#))

Manage the students' attendance through web application and real-time communication with parents and guardians

**Technologies - React | Spring Boot | MySQL**

Contribution : Front End Dashboard creation and Database implementation

## VOLUNTEERING EXPERIENCE

**Teaching Assistance | Department of Computer Engineering | University of Peradeniya (2022 - 2023)**

GP106 course module

Python programming for 1st year engineering undergraduates. Conducting weekly 2-hour lab sessions with lab task evaluations and online quiz invigilation

CO 223 Course module

Network Communication for 2nd year engineering undergraduate. Conducting lab sessions and preparation and evaluation of lab task.

**FAQ page maintainer of Computer Engineering department in University of Peradeniya : [faq.ce.pdn.ac.lk](http://faq.ce.pdn.ac.lk) (2022 - Present)**

Frequently, up to date the content of this page using Jekyll framework

**AISEC University of Peradeniya (2022 - 2023)**

Team member of R&D team (Summer 22.23)

Creating automatic leaving letter generation process using AppScript (Summer 22.23)

Coordinator of Marketing (Winter 22.23)

Deploying word wide internship marketing campaign through facebook