ASHAN WIMALASIRI

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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)

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 (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