DHANUSHKA DE SILVA

COMPUTER ENGINEERING UNDERGRADUATE

CONTACT

- +94 77 176 8860
- dmdesilva13@gmail.com
- Kandy, Sri Lanka.
- dhanushka19
- Dhanushka De SIlva

PERSONAL SKILLS

- Project Management
- Public Relations
- Teamwork
- Leadership
- Effective Communication
- Languages
  - English (Fluent)
  - Sinhala (Fluent)

TECHNICAL SKILLS

- Programming Languages
  - Python, C, Java, JS, NodeJS, PHP in HTML, Verilog HDL, ARM Assembly
- Database Systems
  - MYSQL, Firebase, MongoDB
- Framework and platforms
  - ReactJS, ExpressJS
- Project Management
  - GitHub
- DevOps
  - Docker, Github actions
- Libraries
  - OpenCV, numpy, matplotlib, pandas

PROFILE

I'm Dhanushka, a third-year Computer Engineering student at the University of Peradeniya. My passion lies in **software engineering**, **web development**, and **machine learning**. Beyond coding, I am committed to staying ahead in the dynamic tech landscape. I am currently looking for internship opportunities to broaden my horizons and make a lasting impact on my career.

EDUCATION

University of Peradeniya   2020 - PRESENT
BScEngHons in specializing Computer Engineering
- Current GPA - 3.6/4.0

Kingswood College, Kandy   2005 - 2018
G.C.E. Advanced Level
- Z - score: 1.8396
- District Rank - 58

EXPERIENCE

Freelancer
Developed Python projects and web design projects delivering high-quality solutions to clients.

Volunteering
Project Nenathmabara - Arduino and Robotics workshop

ACHIEVEMENTS

HACKATHON   2023
3rd Place under Social Service
- Created online platform for volunteers, doners, and people those who are in need.

ACES CODERS v10   2023
12-hour algorithmic programming competition open to all undergraduates island wide.
- Rank 18 (Out of 90 teams)

ACES PRE-CODERS v10   2023
6-hour algorithmic programming competition open to all undergraduates of University of Peradeniya.
- Rank 27 (Out of 72 teams)

ACADEMIC PROJECTS

HelioEye - **Solar Panel Monitoring System | Group**   Oct 2023 - Jan 2024

A hardware device designed to track the sun and rotate the solar panel on two axes, paired with a web application for monitoring energy generation. The web application includes three user levels.

- Contribution: Frontend development, UI designing, API development.
- Technology: **Figma, React JS, Material UI, Express JS, MySQL,**
- Project Web Page
- Project Repository

AIESEC Local Committee Management System | Goup   Jun 2023 - Oct 2023

A web application to manage the data of members, applications of volunteers and interns, and automate email sending.

- Contribution: Frontend development, UI designing, documentation.
- Technology: **Figma, React JS, Material UI, Express JS, MySQL,**
- Project Web Page
- Project Repository

Student Result Management Application | GROUP   Apr 2024 - Present

A web application to manage the course grades of university students obtained from assignments, tutorials, and mid and final examinations.

- Contribution: Frontend development, UI designing.
- Technology: **Figma, HTML, CSS, Java Springboot, MySQL**
- Project Web Page
- Project Repository

Bitcoin transaction Analysis For ransomware identification | GROUP   Apr 2024 - Present

Developing a machine learning models to classify Bitcoin transactions as either ransomware or non-ransomware

- Contribution: Contributed to data pre-processing and continuing with the model development.
- Technology: **Python**
- Project Repository

8-bit Single Cycle Processor | Two members   June 2023 - Aug 2023

Developed an 8-bit single-cycle processor with an ALU, register file, control logic, data memory, data cache, instruction memory and instruction cache.

- Contribution: Developed the ALU, register file, data memory and data cache.
- Technology: **ARM Assembly and Verilog HDL.**
- Project Repository

Social media image sharing app | Individual   Sep 2023 - Oct 2023

The Social Media App for Sharing Images is a platform designed to enable users to share, discover, and interact with visual content.

- Technology: **React, Tailwind, Sanity.**
- Project Repository

EXTRACURRICULAR ACTIVITIES

LEADERSHIP

Member of the school junior debate team
- 1st place in the junior Sinhala inter-house debating competition.

Member of the school boy scouting troop.

SPORTS

Member of the school swimming Squad
- Participated and won inter-house tournaments.

REFERENCE

Prof. Roshan G. Ragel

Head of the Department,
Department Of Computer Engineering,
Faculty Of Engineering,
University of Peradeniya, Sri Lanka
Phone: +94 81 23 93913
Email :   roshanr@eng.pdn.ac.lk

Dr. Asitha Bandaranayake

Senior Lecturer,
Department Of Computer Engineering,
Faculty Of Engineering,
University Of Peradeniya, Sri Lanka.
Phone: +94 71 511 7771
Email :   asithab@eng.pdn.ac.lk