KAVINDU MADUSHANKA

📱 +94 77 2 894172 | ✉ kavindumadushanka972@gmail.com

in linkedin.com/in/kavindu-madushanka | ○ github.com/kavindumadushanka972

PROFILE

An enthusiastic, self-motivated, and reliable person with the ability to work in a team environment. Seeking to work in a challenging atmosphere where I can use my skills and knowledge to deliver value-added results and develop my career. I am a self-motivated student who is currently doing well in both academics and extra projects. The work I have done was possible because of my passion and the capability of solving engineering problems with my skills and knowledge. With my leadership, management, and communication skills I can take responsibility and work with minimal supervision.

INTERESTS

Full stack web development | MERN stack web development | Web Application development | Cloud Computing

EDUCATION

University of Peradeniya	Nov. 2017 – Feb. 2023
BSc. Engineering in Computer Engineering (Hons)	*GPA: 3.6*
Richmond College, Galle	2008 – 2016
G.C.E. Advanced Level Examination – Physics (A), Combined Mathematics (A), Chemistry (A)	*Z-Score: 1.9233*

EXPERIENCE

Software Engineer	Feb. 2022 – Present
Perfectus Tec (Pvt Ltd)	
Software Engineer (Intern)	Jan. 2022 – June. 2022
Creative Software	
Full Stack Web Developer (Part-time)	2021 – 2022
Imigap (Pvt) Ltd	
Trainee Engineer	Nov. 2019 – Jan. 2020
D Samson Industries (Pvt) Ltd	

CERTIFICATES

WSO2 Linux Systems Administration and DevOps Engineering Training	2021
– Got selected to the programme by being in the top 100 students,Out of 1500+ candidates	
Certificate of Java application development using JavaSE	2019
– A certification course by University of Colombo School of Computing	

PROJECTS

PERA SWARM SOFTWARE FRAMEWORK FOR ROBOTS SWARMS | *https://pera-swarm.ce.pdn.ac.lk*   Ongoing
- A research project that uses a software framework and a visual programming tool to program both virtual and real robots in a swarm.
- Technologies: C++, React, Node.js, Mqtt, Socket.io, Blockly, Docker
- Contribution: Backend & Frontend development

LIGHTING DIGITAL (An Initiative by ICTA) | *https://d4s.lightingdigital.gov.lk*   2021
- A platform for donors to freely donate extra digital devices or even buy a new device and help out the needy students who yearn to learn anywhere, anytime regardless of any physical or geographical obstacles.
- Technologies: Laravel, MySQL, WordPress, NGINX
- Contribution: Deployment on a Ubuntu server by combining WordPress CMS & Laravel application using NGINX, Developed WordPress CMS, Designed Laravel application UI.

ONLINE LEARNING PLATFORM | *GitHub Repo*   2021
- 3rd-year Software Engineering project

- Technologies: Node.js, express, Vue.js, MongoDB Atlas, JWT
- Contribution: Backend development.

AUTOMATED RAILWAY TICKETING SYSTEM | *GitHub Repo & Project blog*   2020 – 2021
- 3rd-year Computer Engineering project to develop a system to replace the currently existing manual Railway Ticketing System.
- System Includes: Automated entrance/exit gates, Hand-held device and a user web application.
- Technologies: Node.js, express, MongoDB Atlas, React, Reactstrap, JWT, Java, Arduino, AutoCad
- Hardware components: Gate controller & Handheld device (Arduino)
- Contribution: Developed user web application.

STUDENT PILOTS LICENSE MONITORING SYSTEM | *GitHub Repo*   2020
- A web application developed for the Sri Lanka Air force to maintain details of student pilots. Specially developed to track pilot licenses since they expire every two years. The system automatically notifies the administration when someone's license going to expire in two weeks.
- Technologies: Node.js, express, MongoDB Atlas, AWS S3, EJS, Bootstrap

DRIVERS RANKING SYSTEM FOR DSI | *GitHub Repo*   2020
- A web application developed for warehouse management of D Samson Industries (Pvt) Ltd.
- Administration can rank all the drivers according to their categories at the end of the month.
- Technologies: Node.js, express, MongoDB Atlas, EJS, Bootstrap

E-COMMERCE WEBSITE BUILT WITH THE MERN STACK | *GitHub Repo*   2020
- Includes both Admin & Customer Ends.
- Client side: User cart, Order history, Payment gateway
- Admin side: Create/Edit or Delete products/Categories, Orders history
- Techniques: Searching, Sorting, Pagination, Role-based access
- Technologies: Node.js, express, MongoDB Atlas, React, Heroku, JWT

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, Java, C, SQL, PHP
Frameworks: React, Express, Bootstrap, reactstrap
Web Technologies: Node.js, HTML5, CSS, JSON
Web Services: Amazon Web Services(AWS), Microsoft Azure, Digital Ocean, Heroku
Databases: MySQL, MongoDB
Procedural Programming: ARM Assembly
Hardware Programming: Arduino, Verilog HDL
Numerical Computing Packages: MATLAB, Octave
Developer Tools: Git, Docker, VS Code, Postman, PyCharm, IntelliJ, Eclipse
Libraries: Socket.IO, Redux, pandas, NumPy, Matplotlib
3D Model Designing: Fusion 360, AutoCAD

EXTRA-CURRICULAR

RICHMOND COLLEGE ORIENTAL BAND   2010 – 2017
- All island Oriental Drums Symphony competition - 2nd Place - 2017, 2016, 2013

RICHMOND COLLEGE WESTERN CADET BAND   2012 – 2016
- All island Western Band competition held at National Cadet Corps Training Center - Rantembe
  – 9th place – 2012
  – 6th place – 2013
- School colours for best band player of the year – 2016

RICHMOND COLLEGE PREFECTS BODY   2011 – 2012

REFERENCES

Prof. Roshan G. Ragel,
Professor,
Department of Computer Engineering,
Univeristy of Peradeniya,
roshanr@eng.pdn.ac.lk

Dr. Isuru Nawinne,
Senior Lecturer,
Department of Computer Engineering,
Univeristy of Peradeniya,
isurunawinne@eng.pdn.ac.lk