NIMASHI UTHPALA

COMPUTER ENGINEERING UNDERGRADUATE

PERSONAL PROFILE

I am a loyal, hardworking Computer Engineering undergraduate who has an urge to seek for new things and technologies in the IT industry. Extremely motivated to constantly develop my skills and grow professionally.

CONTACTS

(+94) 778979768

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No 614/2, Kuda Vithikuliya, Nikaweratiya

TECHNICAL SKILLS

Standalone Development
C, Java, MATLAB, python

Development platforms
Visual Studio Code

Web Development
JavaScript, HTML, CSS, Node js, React Bootstrap,

Version Control
GIT

Database Systems
MySQL, MongoDB

SOFT SKILLS

- Teamwork
- Sinhala - Native Proficiency
- English -Professional Proficiency
- Self-motivated
- Time management

EDUCATION

University of Peradeniya

BSc Enginnering, Specialized in Computer Engineering(2017-present)
Current GPA - 3.1/4.0

Mayurapada Central Collage Narammala

(2012-2014)

G.C.E A/Ls (2016) 3A s (Combined mathematics)
Z-score - 1.9144
District Rank - 62
Island Rank - 890

WORK EXPERIANCE

Sri Lanka Telecom - Research & Development

Trainee Software Engineer (2022 January-2022 June)
Worked as Full Stack developer on project Smart Agro

Technologies - HTML, JavaScript, CSS, Bootstrap, MySQL
Tools - MQTT lens, WinSCP, PuTTY

PROJECTS

FYP - Agent-Based Model for Micro-Mobility in Sri Lankan Cities (Group of 3)[Ongoing](git repo)

- An initial approach using ABM tools to simulate a real traffic scenario in a Sri Lankan City and identify how micro-mobility solutions can be applied to reduce congestion.

- Technologies: Python, Java, XML
- Tools - MATSim, Simunto Via

Student Performance Classification System (Group of 3) [2021](git repo)

- Description: A system that can predict the performance of the student who qualified for the medical entrance examination for admission to medical colleges, by using their several information. This is a Machine Learning Project, the supervised classification model is used to implement the system

- Technologies: Python
- Tools - Weka

INTERESTED IN

- Full Stack Development
- Frontend Development
- Backend Development
- Machine Learning

FOLLOWED COURSES

- Object-Oriented Programming in Java by the University of California San Diego - by Coursera

- javascript-jquery-certification-course-for-beginners
-by Udemy

- HTML, JavaScript, & Bootstrap - Certification Course
-by Udemy

- Build a Quiz App with HTML, CSS, and JavaScript
-by Udemy

- Machine Learning for Everyone - a free interactive course offered by datacamp

- Responsive Web Design Certification (Ongoing)
- freeCodeCamp

EXTRA WORKS

- Volunteer for IET on-campus University Of Peradeniya (Institute of Engineering Technology) (2020/2021 term)

- Member of Guage, Engineering Faculty Media Unit (2020-present)

- Member of ACES, Computer Engineering Society (2018-present)

- Member of School Interact Club Mahasen National school (2010-2012)

- Team Champions on Table Tennis (Inter-Faculty Tournament - 2022)

REFEREES

Dr. Janaka Alawatugoda
Senior Lecturer
Department of Computer Engineering
University of Peradeniya
alawatugoda@eng.pdn.ac.lk

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

Tracking Device for Self-Quarantine's - 3rd Year Embedded System Project(Group of 3) [2020/21](git repo)

- Description: A device that can track the behaviors of a self-quarantine person who is exposed to the Covid-19 virus. A PHI officer can monitor the person who is wearing the device using the 'qtracker' mobile app. The tracking device can be used to measure the temperature of the person and their location.

- Technologies: HTML, JavaScript, CSS, Node.js, React native, MySQL, Arduino

- Contribution: Frontend development, and database

Management System to Channel Specialist Doctors - Find Doctor(Group of 4) [2020]

- Description: A database management system that can be used to channel any specialist doctors all over the country. Using the web application user can search for a specialist doctor.

- Technologies: HTML, JavaScript, CSS, Php, Mysql
- Contribution: Designed and implemented the database

E-Channeling System(Group of 3)[2021](git repo)

- Description: An online doctor appointment booking system. In this system, patients can book an appointment and keep track of their clinical status. Administrators have the ability to enter the doctors into the system and handle the patients, payments, appointments, and maintain the system

- Technologies: HTML, CSS, JavaScript, Mysql, Xampp, Php, Boostrap
- Contribution: Designing the system, Frontend development and Database

Quiz App(Individual mini project) [2021](git repo)

- A simple quiz app which is designed using HTML, CSS, and Javascript

8-bit ALU Using logic gates (mini group progect)[2019]

- An 8-bit arithmetic and logic unit designed using logic gates in proteus.

- Contribution: Designed the PCB circuit and printed it using etching method

PARTICIPATIONS

- Participated in MoraXtreme 5.0 2020, a 12-hour algorithmic coding competition
- Participated in ACES hackathon 2019
- Participated in ACES coders v8.0 2019
- Participated in Digital IT/BPM week 2021 organized by SLASSCOM