



Anushanga Pavith Thalisha

Computer Engineering Undergraduate

Profile

I am a motivated individual with a passion for innovation in the computer industry. I constantly seek opportunities to push boundaries and stay updated with emerging technologies. With a strong work ethic and unwavering commitment to excellence, I am actively seeking career opportunities to enhance my skills and contribute to the advancement of this dynamic field as a successful professional.

Education

- **Faculty of Engineering, University of Peradeniya.**
BScEngHons (UG) in Computer Engineering | Dec 2019-Present
Expected grad. date: July 2024
Current GPA: 3.40/4.0
- **ESOFT Metro College, Ja-Ela.**
Dual Diploma in Information Technology & English | 2019
- **Nalanda College, Colombo 10.**
Obtained 3A's for G.C.E. A/L Examination | 2018

Work Experiences

- **Completed internship program at GTN Technologies (Pvt) Ltd | 08/2023 – 02/2024**
- **Worked as a Team Leader on contribution for the SASIP A PROJECT conducted by SASIP Institute, Nugegoda | 2019**

Projects

- **Automated PAR Index Calculation on Orthodontic Treatment Using Software and Machine Learning Tools (2024)**
[Website](#) [GitHub-Repo](#)
(Machine Learning with Desktop app | Group)
Developed a software solution for automated PAR index calculation using machine learning, enhancing the efficiency and accuracy of orthodontic treatment assessments.
Technologies: Spring boot, Python, AWS
Contribution: Designed and developed backend server, designed the database.



+94 76 666 3837
+94 71 041 9678



<https://anushangapavith.nicepage.io/>



anushangapavith2@gmail.com



<http://www.linkedin.com/in/anushanga>



<https://github.com/AnushangaPavith>

Skills

- **Programming Languages**
C, C++, Python, Java, C#, JavaScript, Verilog HDL, Arduino
- **Database Systems**
MySQL, MongoDB
- **Web Development**
HTML, PHP, CSS, Bootstrap 5, ReactJS
- **Server-Side Scripting**
Java Spring Boot, JavaScript (Node.js), Python
- **Other Technologies**
AWS, DataDog, Google Cloud Platform, Git
- **Circuit Design**
Proteus

Certifications

- **SQL (Intermediate)**
Hackerrank | 2022
- **Introduction to Cybersecurity**
Cisco Networking Academy | 2021
- **The Bits & Bytes of Computer Networking**
Google | Coursera | 2021
- **Requirements Gathering for Secure Software Development**
University of Colorado | Coursera | 2020

Interests

- Software Engineering
- Backend Development
- Mobile App Development
- Web & Full stack Development

Competitions

- 2nd Runners up ACES HACKATHON 2023 competition.
category: Sustainable Ecosystem
- Participated in Codegoda 2023 organized by Agoda.
- Participated Coders V9.0 organized by ACES | 2022
- 2nd Runners Up | ARDUIFLO Arduino competition organized by SLTC | 2020

References

- Prof. Roshan G. Ragel
Head of the Department of Computer Engineering
University of Peradeniya, Sri Lanka.
email: roshanr@eng.pdn.ac.lk
mobile: +94 77 385 7755
- Dr. Isuru Nawinne
Senior lecturer
Department of Computer Engineering
University of Peradeniya, Sri Lanka.
email: isurunawinne@eng.pdn.ac.lk
mobile: +94 81 239 3470

- **Smart Planting System** (2022/23) [Website](#) [GitHub-Repo](#)
(Prototype with a Mobile App | Group)
This system is a smart pot and mobile application that takes care of indoor plants by monitoring conditions and updating the mobile application in real-time.
Technologies: Arduino, PlatformIO, Flutter, Firebase
Contribution: Designed and developed server and the database, developed/tested the embedded system, Developed the website.
- **Disease Monitoring in Dairy Industry** (Ongoing) [GitHub-Repo](#)
(Machine Learning with web app | Group)
Our solution utilizes machine learning and milk quality data to identify Subclinical Mastitis in dairy cows, enhancing milk quality, production, and the well-being of their herds.
Technologies: Machine Learning, Python, Python Flask, Azure
Contribution: Implementing Azure server, Collaborate to ML model.
- **Molding Machine Dashboard** (2022) [GitHub-Repo](#)
(React Web App | Group)
Building a Dashboard to graphically view the information summary of Image data analyzing tool that will be use in the industry.
Technologies: JavaScript, ReactJS, Express.JS, MySQL
Contribution: Developed the API and some user interfaces.
- **Baby Development Tracking Application** (2022) [GitHub-Repo](#)
(Android Application | Group)
Aim was to build a mobile application to track and help to manage the development of babies (0 to 5 Years).
Technologies: Android Studio, Java, SQLite
Contribution: Frontend & Database Connectivity.
- **Treadmill Dashboard** (2020) [GitHub-Repo](#)
(Software Project | Individual)
Treadmill Dashboard is a user-friendly application that tracks and monitors treadmill performance, offering real-time display of speed, distance, and calories burned.
Technologies: .NET, C#
Contribution: Design & developed GUI and functionality.

Extra-Curricular Activities

- Active member of Rotaract Club of University of Peradeniya.
- Web development team leader of RCOUP for the term 22/23.
- Contributed Multiple projects that are conducted by RCUOP.
 - Project NextStep 360° | 2021/22 (OC member)
 - Concierto 3.0 | 2022 (Project CO-Chairperson)
 - Reach For Water | 2022/23 (Project CO-Chairperson)