PIYUMI
GUNASEKARA
Software Engineering Undergraduate

Profile

As a software engineering undergraduate, I'm passionate about leveraging technology to solve complex problems. With strong leadership skills, I inspire and guide teams toward success. Committed to continuous learning and innovation, I'm eager to contribute meaningfully to your company and drive impactful solutions.

Contact

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Technical Skills

Programming Languages

- Python
- Java
- React
- Node
- JavaScript

Markup Languages

- HTML
- CSS

Experience

Frontend Developer, UI/UX Intern *June 2024 - August 2024*
IOT Solutions Pvt Ltd

Education

University Education

- **BEng (Hons) Software Engineering - Second year** *2023 – Present*
  University of Westminster, UK

Higher Education

- **Foundation Certificate of Higher Education** *2022 – 2023*
  Informatics Institute of Technology

School Education

- **G.C.E Advanced Level in Physical Science Stream** *2019 – 2022*
  Yasodara Devi BMV, Gampaha

- **G.C.E Ordinary Level** *2014 – 2019*
  Yasodara Devi BMV, Gampaha

Extra Certifications

- **Certificate in Java Application Development using Java SE** *2023*
  University of Colombo - School of Computing

- **Certificate in Full Stack Development using MERN** *2024*
  University of Colombo - School of Computing

Projects

- **Co-founder/Developer of JetSetGo, an Air Travel Assistant app** *2024 – Present*

Built a smart air travel assistant tailored for Sri Lankan travelers with features like flight tracking, document upload, and transport assist. Designed the user interface using Figma and developed the frontend using Flutter. The backend was implemented using Firebase, Kotlin, and Google Cloud Functions, with REST APIs facilitating communication between services. Additionally, collaborated using GitHub repositories for version control and team coordination, while managing tasks and communication through Slack and Jira.

- **Marketing Website of JetSetGo** *2025*

Designed and developed the marketing website for the smart air travel assistant app using React, TypeScript, and Tailwind CSS. Focused on performance, accessibility, and user experience while ensuring a modern and responsive design. Collaborated via GitHub for version control and team coordination. Website Link - https://jetsetgo-kappa.vercel.app/

- **Real-Time Ticketing System with Producer Consumer model** *2025*

Developed the frontend, backend, and GUI for a Real-Time Event Ticketing System with an advanced producer-consumer implementation. Built the frontend using React, the backend with Node.js, and the GUI in Java, while using GitHub for version control.

Libraries, Frameworks and Tools

- ReactJS
- Figma
- Flutter

Integrated Development Environments

- Intellij IDEA
- Visual Studio Code
- Android Studio

Soft Skills

- Leadership
- Teamwork
- Time Management
- Problem-solving
- Attention to Detail
- Communication Skills
- Creativity
- Critical Thinking
- Work Ethic
- Interpersonal Skills
- Resilience
- Decision Making

Languages

English

Sinhala

References

Prof. Prasad Wimalaratne

Professor - University of Colombo,

School of Computing

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Chathuri Udagedara

Lecturer,

Informatics Institute of Technology

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- **Company Website of IOT Solutions Pvt Ltd** *2024*

  Contributed to design the company website using Figma, and develop the frontend using React, utilizing frameworks as well. Also, worked on integrating UI components and implementing responsive design, while collaborating through GitHub for version control.

- **Plane Seat Management System** *2024*

  Developed a Java-based seat reservation system for a private plane using standard arrays. Implemented seat booking, cancellation, availability tracking, and ticket management with OOP concepts. Integrated file handling to store ticket details.

- **Website regarding Health and well-being** *2024*

  Developed a website to promote health and well-being aligned with SDG 3. The site includes a splash screen, home page, gallery, shop, user profile, feedback form, sitemap, and team section, ensuring an engaging user experience.

- **University Progression Prediction system** *2023*

  Developed a Python model to predict student progression outcomes based on credit inputs. Implemented validation, looping for multiple entries, and graphical histograms. Extended functionality to store progression data in lists and save results to a text file.

- **Console-based Fare calculator** *2023*

  Developed a Python console app for fare calculation and invoice generation in a Cab service. It supports multiple vehicle types, promo codes, and random discounts and saving trip details as invoices.

- **Random Guess Game program** *2023*

  Developed a Python model that simulates the game between a player and the computer. It determines the winner based on predefined rules and tracks scores. The game continues until the player chooses to stop, after which the final results are displayed.

Extra-curricular Activities

Informatics Institute of Technology *2023 – Present*

- Secretarial & Editorial Team:
  - Mozilla Campus Club of IIT (2024/25)
  - FOSS Community of IIT (2024/25)
  - Women in FOSS of IIT (2024/25)
- Organizing Committee:
  - Co-Editor, ATHENA by IEEE WIE Affinity Group of IIT. (2024/25)
  - Co-Editor, SHErlock by IEEE WIE Affinity Group of IIT. (2024)
  - Co-Editor, VASTRA by RACIIT. (2023/24)
  - Documentation Team Member, Sally's Manor by RACIIT. (2024)
- Memberships:
  - Rotaract Club of IIT (2023/24)
  - Vocal Impact (Choir) at IIT (2023/24)
  - Professional Development Team, Leo Club of IIT (2023)
- Team Leadership:
  - Team Leader,Team NAACH in StageCraft by Student Union of IIT. (2024/25)

Yasodara Devi BMV , Gampaha *2014 – 2022*

- Junior Prefect (2018/19)
- Assistant Prefect (2017/18)
- Secretary of Astronomical Society (2016/17/18)
- Member of Western Choir (2017/18/19)
- Member of Debating Team (2016/2017)
- Member of Athletics Team (2014 - 2019)

Achievements

- Distinction Pass - Foundation Certificate in Higher Education *2023*

  by Informatics Institute of Technology

- Competitor at the Hult Prize 2024/25 OnCampus Program *2025*

  by Hult Prize Foundation