

Janani Balasooriya

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Summary

Motivated and detail-oriented undergraduate student pursuing a degree in Computer Engineering. Passionate about leveraging technical knowledge to solve real-world problems, with strong skills in software development, data analysis, and system design. Experienced in collaborating on academic and personal projects, demonstrating excellent problem-solving abilities and a commitment to continuous learning.

Skills

- Programming Languages: Python, C++, C, HTML, CSS, JavaScript
- Machine Learning Tools: Tensor Flow, Scikit-learn
- Data Analysis: Pandas, NumPy, Matplotlib, Seaborn
- Front-end Development: React, Next, Tailwind CSS
- Back-end Development: Node.js, Express.js, Django
- Databases: MySQL, PostgreSQL, MongoDB
- Tools and technologies: Git, Jira

Education

University of Ruhuna, BSc (Hons) in Computer Engineering Feb 2021 – Present

- **Related coursework:** Software project, Web development, Machine learning, Computer Architecture, Data structures and Algorithms, Design patterns, Operating System programming, GUI development, Embedded Systems, Object Oriented Programming, Databases.

Projects

Personal Money Tracker GUI Project

- Developed a personal money tracker using HTML, CSS, and JavaScript.

Hospital Management System Desktop Application

- Developed a desktop application for a Hospital Management System using .NET and Microsoft SQL Database.

Data Structure & Algorithm

- Developed a Criminal Management System using linked lists to efficiently manage records.

Online Food ordering web Application

[Github](#)

- Developed a food ordering web application using the MERN stack (MongoDB, Express.js, React.js, Node.js).

Municipal Management Database System

[Github](#)

- Developed a Municipal Management System focused on efficient data storage and retrieval.

Income Prediction Machine Learning Project

[Github](#)

- Worked on an income prediction project using machine learning techniques.

Task Management System DevOps Project

[Github](#)

- Designing and implementing a task management system using DevOps methodologies to enhance team productivity.

Plagiarism Detector Tool Software Project

[Github](#)

- Developing a plagiarism detector project using React for the frontend and Django for the backend.

Common Amplifier Electronic Project

[Github](#)

- Developed a common amplifier project using proteus simulation and created the PCB.

Networking Project

[Github](#)

- Developed a Matchmaking System using python network programming implementing real time user pairing with efficient client-server communication.

Frontend User Authentication Project

[Github](#)

- Developed a user authentication system using Next.js, implementing secure login, registration, and session management with JWT and NextAuth.

Personal Portfolio Website

[Github](#)

- Developed a personal portfolio website to showcase projects, skills and experience, using modern web technologies for a responsive and dynamic user experience.

Networking Project

[Github](#)

- Developed a networking-based screen-sharing system, enabling real-time screen transmission with low latency and efficient data handling.

Competitions

- Participated in IEEEExtreme 18.0 Programming Competition, achieved rank of 51st in Sri Lanka and a global rank of 708th.
- Participated in Eminence 4.0 Coding Competition organized by IEEE branch of University of Ruhuna.
- Participated in Sustainable Building Design Competition.

Extracurricular Activities

- Contributed as a Public Relations Team member in the organizing committee for Haxtreme 3.0.
- Junior Secretary of the Gaweshakoyo Nature Conservation and Mountaineering Club, Faculty of Engineering.
- Member of the Mehewara Seminar program conducted by the Students' Union of the Faculty of Engineering, University of Ruhuna

References

Dr. Rajitha Udawalpola

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