USHANI SANJANA

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in Ushani Sanjana | ⌂ UshaniSanjana

Maharagama, Sri Lanka

CAREER OBJECTIVE

A motivated third-year Computer Engineering undergraduate with a strong passion for learning and exploring new technologies. I am eager to contribute to innovative projects and develop my skills in a dynamic environment. Recognized for my excellent teamwork and adaptability, I strive to collaborate effectively to achieve shared goals and deliver impactful solutions.

EDUCATION

- **Higher Education** *2022 - Present*
  Engineering Undergraduate specializing in Computer Engineering. [BSc Eng. (Hons)]   University of Sri Jayewardenepura
  - Minor Specialization - Data Management
  - GPA: 3.55/4.00

- **G.C.E A/L** *2018 - 2020*
  Sirimavo Bandaranaike Vidyalaya   Colombo 7, Sri Lanka
  - Physical Science - 3A's | General English - A

- **G.C.E O/L** *2012 - 2017*
  Ananda Balika Vidyalaya   Colombo 10, Sri Lanka
  - 9A's

ACADEMIC PROJECTS

- **MasterHR - HR Management Mobile Application | Group** *2024 Mar - 2024 Sept*
  MERN Stack | FastAPI
  - Designed and developed a comprehensive HR automation mobile app to streamline operations, including employee management, attendance tracking, project and payroll management, task coordination, and real-time chat functionality.
  - Built a cross-platform application using React Native and Expo, incorporating advanced features such as real-time communication powered by Socket.io.

- **CASPER - Desktop Productivity Application | Group** *2023 Sept - 2024 Mar*
  Java Swing | MySQL
  - Developed an all-in-one desktop application designed to streamline daily life and enhance productivity by managing tasks, schedules, and finances efficiently.
  - Integrated tools for task management, time tracking, and financial planning in a single interface.
  - Built using Java Swing for a responsive and interactive user interface and MySQL for robust data storage and management.

- **Supermarket Chatbot - Desktop Chatbot for Locating Supermarket Items | Individual** *Apr 2024*
  Python | NLTK | Flask | HTML | pdfkit
  - Developed a Natural Language Processing (NLP) chatbot using Flask and NLTK to help users locate supermarket items by providing shelf locations based on user queries.
  - Implemented NLP techniques like tokenization and POS tagging to process user queries effectively.
  - Integrated PDF generation with pdfkit to provide downloadable reports of requested items and their locations.

- **Cricket Match Simulation System - Object Oriented Programming | Mini Project** *Sept 2023*
  C++ | OOP
  - Developed a cricket match simulation system using C++ that includes team management, player statistics tracking, and a dynamic scoring system.
  - The project features an interactive scoreboard, real-time match commentary, and simulated player performances based on batting and bowling success rates.
  - Leveraged object-oriented programming principles to design classes for players, teams, and matches, ensuring modularity and extensibility.

- **Blissify - Mental Health Monitoring Application | Ongoing | Individual** *Nov 2024*
FastAPI | React Native | MongoDB | OpenAI

○ Developing a mental health application to empower users in understanding their mental well-being through self-monitoring, featuring early detection of symptoms and progress tracking.

○ Aimed to integrate core features such as the PHQ-9 questionnaire and an AI-driven counseling chat for personalized support.

○ Utilizing FastAPI for the backend, React Native for the frontend, and MongoDB for data storage, ensuring a smooth user experience and efficient data handling.

SKILLS

Technical Skills:

- **Languages:** C++, JavaScript, Python, HTML, CSS
- **Frontend Frameworks & Libraries:** React.js, React Native
- **Backend Frameworks & Technologies:** Express.js
- **Database Systems:** MongoDB
- **Software Tools:** Visual Studio Code, GitHub

Soft Skills:

- Teamwork
- Problem Solving
- Time Management
- Leadership
- Communication-English,Sinhala

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

- **Committee Member** *Sept 2023*
Organizing Committee, Viramayak Live in Concert
- **Member** *2023 - Present*
CENSOC - Computer Engineering Society
- **Member** *2023 - Present*
CGS - Career Guidance Society
- **Student Member** *2023 - Present*
Institute of Engineers (IESL), Sri Lanka
- **Sports** *2023*
Represented the Faculty in Volleyball and Netball during the Interbatch Meet and the J'pura-Ruhuna Engineering Derby.
- **Internship** *2021 May - 2022 Jan*
People's Bank - Maharagama

AWARDS AND ACHIEVEMENTS

- **Dean's List Recipient for achieving a GPA of 3.85/4.0 in the First Semester (First Year).** 2022
- **First Place - Most Innovative Design, Mech Makers Challenge 2022** 2022
  ○ Recognized for developing a coconut scraper powered by a flywheel mechanism and successfully applied for a Student Patent for the innovative design.

REFERENCES

1. **Dr. Udaya Wijenayake**
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   Department of Computer Engineering
   Faculty of Engineering
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