

JANITH NIROSHAN

COMPUTER ENGINEER

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Summary

Innovative Computer Engineering student passionate about Software, Web Dev, and AI/ML and IOT. Focused on full-stack Software Engineering, always exploring new tech. Beyond academics, I dive into Graphic design, video editing, and game dev. Driven by curiosity, creativity, and collaboration to craft impactful solutions.

Skills

- **Front-end Development** : React, Next js, three js, Tailwind CSS, Bootstrap, JavaScript, TypeScript
- **Back-end Development** : Node/Express, PHP/Larval, Java/SpringBoot, ASP.NET Core
- **Mobile Development** : Flutter/Dart, Android Studio, React native
- **Database** : MySQL, MongoDB
- **DevOps and Cloud computing** : Linux administration, CI/CD, Docker, AWS
- **Tools and technologies** : Jira, Git, Figma, Canva
- **Low-Level Development** : C/C++, Assembly, HDL
- **Soft Skills** : Project Management, Communication, Leadership , Team work, Volunteering

Education

University of Ruhuna, BSc (Hons) Undergraduate in Computer Engineering

- **Related Coursework** :
Software Project, Web Development, Machine Learning, AI, Computer Architecture, Data structures and Algorithms, Design Patterns, GUI Development, HDL , Embedded System, Object Oriented Programming, Database

Experience

Software Developer :

- Developed Learning Management System, POS System, Hotel Management System, Travel Booking site.
- Experienced in multiple tech stack including MERN stack, .NET Framework, PHP/MySQL, Java/SpringBoot
- Integration of OAuth systems, SMS gateways, Payment gateways, etc.

Projects

LMS

- Built a scalable LMS using the MERN stack with Next.js.
- Featuring course creation, user management, and progress tracking were added as features
- Backend services powered by MongoDB, Express.js, and Node.js.
 - **Contributions:** I was responsible for implementing all core functionalities of the project.
 - **GitHub Link:** [LMS](#)

E-Learning Android App

- Developed a cross-platform e-learning app with Flutter and Dart.
- Built a scalable backend using PHP and Laravel for user management and data handling.
 - **Contributions:** Contributed to both frontend and backend development.
 - **GitHub Link:** [LearningApp](#)

Pos system for Computer shop

- Developed a comprehensive POS system in .NET with Blazor, featuring dynamic UI for sales, inventory, and billing management.
 - **Contributions:** Implement the both Front-end and Back-end using .NET
 - GitHub Link: [POS System](#)

Machine Learning Model

- Developed an ML model using SVM and Random Forest for phishing detection.
- Compared classifier performance using accuracy, precision, and recall.
 - **Contributions:** Random Forest Algorithm , Data Preprocessing, Performance Analysis
 - GitHub Link: [WEB-SITE-FISHING-ML-model](#)

Hotel Management System (Console Application)

- A C++ console-based system for hotel operations, including booking, check-in, check-out, and billing,
- Utilized OOP principles and data structures for efficient management.
 - **Contributions:** User Account Management, Room Reservation , Admin Functions
 - GitHub Link: [DSA-Hotel-Management-system](#)

Chess-Game

- Developed and maintained a Java-based chess game project using Maven for dependency management and build automation.
 - **Contributions:** Implemented chess board, and Network part and all the logics.
 - GitHub Link: [Chess-Game](#)

Competitions

- Participated in CODESPRINT, CODEFEST AI Hackathon , CTF Competition, Haxtream, Eminance, etc.
- Selected to top five innovation idea project in Eminance Competition organized by University of Ruhuna

Extracurricular Activities

- Volunteered in organizing committee of Career Guidance Unit Mock Interviews in 2023 & 2024 (As a Graphic Designer)
- Volunteered in Sasnaka Sansada (SISUMEDIYA, GANITHA SAVIYA, Re-Green Earth, etc.)
- Volunteered in LEO CLUB UOR as a member of LEO CLUB(Leo Esperanza, etc.)
- Trained in the Leadership Camp organized by Career Guidance Unit ,University of Ruhuna in 2022
- Completed the Social project of the leadership Camp by organizing a Motivational , Education and Leadership program in MR/Pelena Sri VajiragnanaMaha Vidyalaya, Weligama in 2022
- Currently serving as the Editor of the Career Guidance Student Society.

References

Dr. Rajitha Udawalpola

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