

ANNE FERNANDO

SOFTWARE ENGINEERING UNDERGRADUATE

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PROFESSIONAL SUMMARY

A third-year Software Engineering undergraduate with hands-on experience in web and mobile application development. Proficient in frontend technologies (HTML, CSS, JavaScript) and mobile development using Flutter. Skilled in object-oriented programming, database management, and quality assurance. Experienced in team leadership and software development to create functional applications. Continuously learning new technologies and improving coding skills to build user-friendly applications.

EDUCATION

BSc. In Software Engineering (Hons)

2022 - Present

CINEC campus (Pvt) Ltd, Malabe, Sri Lanka

Major: Web development | Current GPA: 3.84

Advanced Level - Physical Science

2018 - 2020

Rathnawali Balika Vidyalaya, Gampaha, Sri Lanka

SKILLS

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** PHP, Node.js, Express.js
- **Databases:** MySQL, MongoDB, Firebase, SQLite
- **Programming Languages:** Dart, Python, Java, C, C#, SQL
- **Frameworks & Libraries:** React.js, Flutter
- **Tools:** Git, GitHub, VS Code, Android Studio, Postman, XAMPP, Trello
- **UI/UX Design:** Figma, Canva, Basic Photoshop
- **Software Testing:** Selenium WebDriver, JMeter, Junit

PROJECTS EXPERIENCE

- **AI-driven Property Classification System (Ongoing)**
 - Developed a system for property classification and duplicate detection using React.js, PHP, and SQL by reducing manual verification time by 40%, optimizing workflow efficiency.
 - Boosted model accuracy by 85% through 200+ image reviews.
- **Eduwave – Tuition Management App (Ongoing)**
 - Built a Flutter-based system with SQLite to track attendance and payments within 3 months.
 - Increased engagement by achieving 100+ weekly active users through real-time updates and improved accessibility.
- **ZenFlow – Mind Relaxation Website**
 - Created an interactive stress-relief platform using HTML, CSS, JavaScript, PHP, and SQL, collaborated with 6 students.
 - Enhanced user relaxation by 75% through engaging activities such as breathing exercises, drawing, writing, music, and games.
- **Movie Explorer Web Application**
 - Built a React.js-based platform using the TMDb API, supporting 10,000+ movie records with real-time search, infinite scroll, and genre/year filters, improving discoverability and engagement.

- Implemented login-based access control, Context API for state management, and local storage to persist preferences, boosting session retention by 60%.
 - **Bookstore MERN Web Application**
 - Developed a full-stack bookstore platform using MongoDB, Express.js, React.js, and Node.js with secure JWT authentication, supporting scalable order processing and profile management for over 200 users.
 - Created responsive interfaces with Material-UI, optimized performance with Vite-based setup, and conducted local testing and demonstrations for over 30 test cases without deploying to public hosting services.
 - **Hospital Inventory Management System**
 - Engineered a React.js and PHP-based system for tracking 500+ medical supplies, , providing real-time inventory visibility for revised management.
 - Reduced stockout occurrences and optimized supply chain efficiency by 30% through automated workflows.
 - **FindMyLost – Lost & Found System**
 - Produced a 100% Java-based application to streamline the process of reporting and retrieving lost items.
 - Enhanced retrieval success rate by 75% through a structured and efficient search system.
 - **HR Management System**
 - Designed a responsive system using PHP, HTML, and CSS for employee authentication under 3 roles: admin, employee and manager, reducing errors by 40%.
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PUBLICATIONS

4th CINEC International Research Symposium

2023

Safeguarding Vertical Transportation Exploring the Role of Smart Screen Elevator Systems in Panic Situations for Enhanced User Safety and Efficient Emergency Response

- Published an abstract and presented finding through a poster session.