THANUJA WEERASEKARA
Undergraduate

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ABOUT ME

- Innovative and communicative IT enthusiast with a passion for designing apps, websites, QA,BA and digital marketing. Known for my creative mindset and out-of-the-box thinking and easy going persona, I bring a unique perspective, team spirit to each work blending technical and design skills for impactful results.

HANDS ON EXPERIENCE

1. Mobile Application Design & Development

- **Designed and developed** a user-friendly To-Do mobile app using Java, Kotlin, and Figma
- Implemented **key features**: task creation, editing, deletion, stopwatch, and notifications
- Applied **UI/UX principles**, responsive design, and clean app architecture
- Practiced **manual testing** and **bug fixing** during development lifecycle

2. Scholar Vista – An AI Driven Research Publication App

- Built a full-stack research app using **React, FastAPI (Python), MySQL**, and **GPT-4 Turbo**
- Integrated **Zero-Shot Classification, FuzzyWuzzy** search, and **RAG**-based AI system for categorization
- Designed & tested **RESTful APIs (Swagger UI)**; maintained version control with **Git**
- Led the team as **project coordinator**, managing Agile sprints via Azure DevOps Kanban boards
- Created **UML diagrams, wireframes,** and u**se cases** for system design and stakeholder alignment
- Applied SDLC practices, conducted **manual testing**, and ensured sprint goal delivery

3. Dhaniya Flora – Inventory System

- Built an admin-based store app using **MERN stack + Vite**, optimizing daily operations for a real client (EmailJS for mailing)
- Designed core **features** (inventory, orders, store flow) based on actual business and stakeholder needs
- Created UML diagrams, wireframes, use cases, and full UI/UX design **documentation** for the system
- Used **Postman** to test API endpoints with **CRUD queries** and handled edge-case validations
- Managed **sprint planning**, issue tracking, and **user stories** using **Jira** in an **Agile workflow**

4. Real -Time Chat Web Application

- Developed a real-time chat app using **Spring Boot (Java)** with HTML, CSS, and JavaScript frontend
- Implemented **WebSocket**-based messaging with event-driven architecture for real-time communication
- Designed a clean, responsive UI and applied **full-stack development** principles using Java tech stack

5. Bus Schedule System for SLIIT Campus Students

- full-stack bus tracking web app using **FastAPI (Python), MySQL, HTML, CSS, and JavaScript**
- Designed intuitive **UI/UX layouts** and responsive interfaces, ensuring seamless mobile and desktop user experiences
- Integrated **Firebase Authentication** for secure admin access and role-based permissions
- **Deployed** backend on Railway and hosted responsive frontend on Vercel for global accessibility
- Developed and documented **RESTful APIs** for live bus location updates and real-time user comments
- Optimized database queries, and ensured scalable, high-performance architecture

EDUCATION

- **SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY (SLIIT)**
  Undergraduate at BSC (Hons) Information & Technology

  2022 – Present

- **KINGSWOOD COLLEGE KANDY**
  Completed school-level education passed the G.C.E. **Ordinary Level** Exam (5A's including English , Tamil) and the G.C.E. **Advanced Level** Exam with 3C's

  2008 – 2022

SKILLS

PROGRAMMING SKILLS

- Web Development : HTML, CSS, JavaScript, React , Express, Node, Vite, Tailwind, Kotlin
- **Programming Languages :**
  C,C++,JAVA,PYTHON
- Database Systems : MYSQL, MongoDB
- **AI | ML** : Huggingface , OpenAI

SOFTWARES

- Eclipse IDE, Android Studio ,VS Code, Python IDE, Pycharm, Webstrom , IntelliJ, Selenium, VMware
- GIT, VMware, Windows SQL Server, Linux CentOS
- Azure Devops, Postman, Jira, Trello, Figma
- Anaconda, Jupiter Notebook, R Studio

THEORETICAL KNOWLEDGE

- OOP | SDLC | DSA
- Network Design Management
- UI/UX Designing
- Software Quality Assurance
- CI/CD Concepts
- Project Management Methodologies

ACHIEVEMENTS

- **Certificate in Introduction to Artificial Intelligence**
  Linkedin

- **Certificate in Introduction to Career Skills in Software Development**
  Linkedin

- **Certificate in Python for beginners**
  University of Moratuwa

- **Certificate in Programming Fundamentals**
  Linkedin

SPORTS & EXTRA-CURRICULER ACTIVITIES

- boxing
- Swimming
- Member of College Prefect Court (2021)

REFERENCES

- **Mr.Upali Chandrakumara**
  Provincial Director of education
  Phone number : +94 71 859 3919

- **Mrs.Chathurika Koswatte** Lecture (SLIIT)
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I hereby declare the above-mentioned information is correct up to my knowledge, and I bear the responsibility for the correctness of the above-mentioned.

Thanuja Weerasekara 25th Jan 2025