DILEEPA DILSHAN

Full Stack Developer

Meet My AI Recruiter Rep
LinkedIn
wickramasinghemgdd@gmail.com
GitHub
+94716716620

Education

SLIIT | Sri Lanka Institute of Information Technology BSc (Hons) in Information Technology
Specializing in Software Engineering

- Current Year: 3rd Year (Expected Graduation: 2026)
- GPA: 3.7
- Dean's List: Year 01 , Year 02

Projects

Commercial Project : AI-Driven Vehicle Spare Parts Management System

Role: Full-Stack Developer
December 2024 - Present

- Developed an AI-driven Vehicle Spare Parts Management System for company implementation, encompassing modules for stock, delivery, billing, and reporting.
- Real-time stock tracking, streamlined delivery management, automated billing, and dynamic reporting.
- Integrated a natural language AI chatbot (Google AI Studio) providing instant business insights directly from application data, empowering data-informed decisions.
- **Technologies -** React, Node.js, Express.js, MongoDB, Socket.io, Firebase, DigitalOcean, Google AI Studio.

Personal Project : AI-Powered Contract Testing Web Application

- Hosted an AI-Powered Contract Testing Web App (personal project) to automate API validation using Gemini AI, significantly improving API reliability testing.
- Enabled users to input API details & contract schemas for automatic AI-driven compliance verification, providing real-time, actionable feedback (mismatched fields, suggested fixes).
- Eliminated manual test case writing by delivering automated contract testing with AI insights, enhancing developer efficiency and ensuring API contract consistency.
- Designed an intuitive UI for user-friendly API testing, making advanced contract testing accessible without deep technical expertise.
- **Technologies -** React.js , Node.js ,Express.js , Google AI Studio
- **Live Demo :** Smart Contract Testing

Clara AI Assistant : Autonomous AI Recruiter Agent

- Built using Google Gemini API to analyze user conversations in real time, detecting sentiment, intent, and engagement depth (Casual, Active, Deep).
- Automated tailored follow-up emails via the Gmail API, adapting content to user behavior and interaction levels.
- Integrated Firebase Authentication with Google Login for secure, seamless user access.
- Orchestrated end-to-end workflow automation with Make.com, connecting AI insights, user segmentation, and email outreach.
- Engineered a scalable full-stack solution with React.js, Node.js, Express.js, and Google AI Studio for a responsive user experience.
- **Technologies -** React.js, Node.js, Express.js, Google AI Studio, Make.com, Gmail API, Google Gemini API, Firebase Authentication
- **Live Demo :** Clara - AI Recruiter Rep

Technical Skills

- **Frontend Development:** React.js, TypeScript, JavaScript, HTML, CSS, Tailwind CSS, Vue.js
- **Backend Development:** Node.js, Express.js, Java
- **Database Management:** MongoDB, MySQL, SQL
- **Version Control :** Git , GitHub
- **AI & Integrations:** Google AI model fine tuning, AI Agent Modeling

Soft Skills

- **Problem-Solving** – Efficient debugging and critical thinking
- **Communication** – Clear explanation of technical concepts and effective collaboration
- **Adaptability** – Quick learning of new technologies and adjusting to different workflows
- **Time Management** – Efficiently handling multiple tasks and meeting deadlines
- **Teamwork & Collaboration** – Working seamlessly with cross-functional teams and integrating feedback

Vortex Gaming – AI-Assisted Browser-Based Game Hosting Web AppVortex Gaming – AI-Assisted Browser-Based Game Hosting Web App
Sep 2024 - Dec 2024Sep 2024 - Dec 2024
Associated with SLIITAssociated with SLIIT
Role: Full-Stack Developer (Aug 2024 – Oct 2024)
Tech Stack: MERN (MongoDB, Express.js, React, Node.js), Next UI, Cloudinary, Multer, Google AI (Gemini AI), DigitalOcean

📌 Overview:
Developed a browser-based game hosting platform where IO game developers & browser-based game creators can publish their games and earn revenue. Users can discover, play, and engage with various web-based games directly on the platform. The system also features custom-built games made with React.js and AI-powered insights for players.

Key Features & Contributions:
✔️ Game Hosting for Developers – Built a platform for game developers to upload and manage their browser-based games.
✔️ Revenue-Sharing Model – Implemented a monetization system where developers earn from their games while the platform takes a commission.
✔️ Custom-Built Games – Developed original web-based games using React.js, seamlessly integrated into the platform.
✔️ AI-Powered Game Insights – Integrated Gemini AI to analyze player activity and offer personalized gaming recommendations.
✔️ Optimized UI/UX – Designed an engaging and responsive user experience using Next UI & Tailwind CSS.
✔️ Efficient Game Asset Management – Used Cloudinary & Multer to optimize game assets, ensuring faster load times.
✔️ Secure Authentication & User Management – Implemented JWT authentication to protect user accounts and access control.
✔️ Cloud Deployment & Performance Optimization – Deployed on DigitalOcean, ensuring high availability and smooth performance.

Technologies Used:
🖥️ Frontend: React.js ⚛️, Next UI 🎨, Tailwind CSS 💨
⚙️ Backend: Node.js 🌿, Express.js 🚀, RESTful API 🔗
🗄️ Database: MongoDB 🍃, Mongoose 📜
🧠 AI & Integrations: Google AI (Gemini AI) 🤖, Google AI Studio 🧪
🖼️ Media Optimization: Cloudinary ☁️, Multer 📂
🔒 Security: JWT Authentication 🔑

Skills: React.js · Node.js · Express.js · MongoDB · HeroUi · Cloudinary & Multer

Luffy: Your Travel Companion AppLuffy: Your Travel Companion App
Apr 2025 - Apr 2025Apr 2025 - Apr 2025

Developed "Luffy," a full-stack web application designed to be a comprehensive travel companion. The project utilizes a React frontend for a dynamic and user-friendly interface, allowing users to easily browse and access detailed information about various countries, including popular places to visit and much more. The Node.js backend handles data management, user authentication, and includes integration with a Gemini API route, hinting at the potential for future AI-powered features like personalized recommendations or travel assistance. Luffy provides a solid foundation for a travel planning tool, combining essential features with rich country and destination data with the potential for intelligent enhancements.Developed "Luffy," a full-stack web application designed to be a comprehensive travel companion. The project utilizes a React frontend for a dynamic and user-friendly interface, allowing users to easily browse and access detailed information about various countries, including popular places to visit and much more. The Node.js backend handles data management, user authentication, and includes integration with a Gemini API route, hinting at the potential for future AI-powered features like personalized recommendations or travel assistance. Luffy provides a solid foundation for a travel planning tool, combining essential features with rich country and destination data with the potential for intelligent enhancements.

Skills: React.js · Express.js · MongoDB · Node.js · REST APIs · Google AI (Gemini AI)