Thirupathi Pyati

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Summary

I am a passionate web developer with a strong foundation in creating dynamic, user-friendly, and secure web applications. With hands-on experience in front-end and back-end technologies, I specialize in building responsive interfaces and robust server-side systems. My expertise includes modern frameworks like React.js, coupled with database management using MongoDB. I am committed to crafting seamless user experiences and implementing secure, scalable solutions that meet both client and industry standards.

Skills

HTML, CSS, Javascript, Node.js, Express.js, React.js, MongoDB, Python, C, C++, Java, Machine Learning, Deep Learning, Computer Vision, Cyber Security, PCI Compliance

Experience

Custom URL Generator with Authentication | Project
Developed a secure web application for generating and managing custom shortened URLs with robust user authentication. Integrated JWT for stateless authentication, enabling persistent logins while ensuring security. Built the backend using Node.js, Express, and MongoDB for data storage, and used React.js for an interactive frontend with features like signup, login, and analytics dashboards. Implemented CORS policies for safe cross-origin sharing and ensured error handling for invalid or expired tokens. This project highlights expertise in full-stack development, secure authentication, and user-focused design.

Custom URL Generator with Authentication | Project
A multiplayer web RPG game using the Phaser.js game engine and Socket.IO for real-time communication. Designed gameplay mechanics, including player movement, animations, and collisions, and integrated a tile-based map with Tiled. Built a Node.js server to synchronize player positions and interactions across instances, ensuring smooth and consistent gameplay. Implemented features like new player addition, disconnection handling, and state management. Focused on creating a scalable, interactive gaming experience with responsive design and performance optimization.

Web Development Intern at 8K productions, Bengaluru, Karnataka | Projects
As a Web Development Intern, I coded and debugged web applications using HTML, CSS, and JavaScript to meet project requirements. Conducted routine maintenance, ensuring websites were responsive and user-friendly. Assisted in content management and SEO practices.

Game Development using Unity Engine | Video
Jet Escape: Alien Siege Developed a 2D game in Unity, inspired by Flappy Bird mechanics. Created engaging gameplay featuring a jet navigating through skyscrapers while avoiding obstacles. Implemented dynamic spawning systems for towers and enemies to increase game challenge. Enhanced skills in Unity, C#, and game design principles.

Certifications

Machine Learning and Self-Driving Cars Verification Link
Learn Cyber Security from scratch: Practical Guide from Udemy Verification Link
PCI Compliance from Qualys Verification Link

Education

HKBK College of Engineering | Bangalore, Karnataka
Information Science Engineering | 07/2025
Currently studying in 7th semester of my course and have an aggregate of 80%.