Umesh Tiruvalluru

Full Stack Developer

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EXPERIENCE

kinfocloud Tech Solutions   August 2024 - November 2024
Fullstack Intern   *Banglore, Karnataka*

- Debugged and resolved critical issues on the company's client-facing website, improving load times and user experience.
- Built and integrated RESTful APIs with MongoDB for secure and efficient data handling.
- Performed code reviews, and used Git/GitHub for version control.

PROJECTS

LINKBRAIN – Demo | Code   *React, Tailwind CSS, Express Js, MongoDB*

- Created a full-stack MERN application for organizing and revisiting resources, growing to 50+ users.
- Implemented secure authentication and authorization (JWT) for protected user actions.
- Enhanced usability by adding tagging and categorization features for resource management.
- Optimized data retrieval, reducing page load time by 25%.

THE WILD OASIS – Demo | Code   *React Js, Tailwind CSS, Shadcn UI, Supabase*

- Developed a real-time hotel management system enabling staff to cut booking processing by 40% through efficient data synchronisation.
- Built custom dashboards to visualize performance metrics, supporting decision-making for inventory planning.
- Integrated staff-only login to protect guest and staff information.
- Streamlined check-in workflows, reducing daily admin tasks by 3+ hours.

TIC-TAC-TOE – Demo | Code   *HTML, CSS, Typescript*

- Designed an MVC-based browser game featuring real-time updates and persistent sessions.
- Implemented cross-tab synchronization, allowing seamless gameplay across multiple browser tabs.
- Used TypeScript for code safety and maintainability.

TECHNICAL SKILLS

Languages: C/C++, Go, HTML, CSS, JavaScript, TypeScript, Python
Frameworks/Libraries: React, Next.js, Node.js, Express.js
Databases: PostgreSQL, MongoDB, Supabase, Prisma, Redis
Tools & Platforms: Git, Figma, VS Code, Postman, Shadcn UI, Linux
Core Concepts: Data Structures (Arrays, Linked Lists, Trees, Graphs, Hash Tables), Algorithms (Sorting, Searching, Dynamic Programming, Graph Traversal), OOP, RESTful APIs, Version Control

CERTIFICATIONS

- Data Structures & Algorithms – GeeksforGeeks
- Frontend Developer (React) – HackerRank
- JavaScript (Intermediate) – HackerRank
- GitHub Foundations – GitHub
- Build Responsive Real-World Websites with HTML and CSS – Udemy

EDUCATION

Geethanjali Institute of Science and Technology   Nellore, AP
Bachelor of Technology in Electronics and Communication   *July 2019 – May 2023*

Narayana Jr College   Nellore, AP
Class XII   *June 2017 – May 2019*