Yelamanchili Santosh Hrushith

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Education

Indian Institute of Information Technology (IIIT) Kottayam   **2022 – Expected 2026**
Bachelor of Technology in Computer Science and Engineering   *Current GPA: 8.01/10*

Experience

The Sixty One   **February 2025 – October 2025**
Full Stack Development & Automation intern

- Contributed to building and enhancing multiple web applications, including a Shopify-based e-commerce platform.
- Integrated GraphQL APIs with Next.js to build dynamic, scalable, and responsive Shopify storefronts while managing custom integrations across devices.
- Implemented new features, such as an automated email newsletter system to keep subscribers regularly updated.
- Troubleshot and resolved technical issues while ensuring maintainable, high-quality code across all projects.

Visakhapatnam Port Authority   **June 2024 – August 2024**
Full Stack Web Development Intern   *Visakhapatnam, Andhra Pradesh*

- Developed a real-time MERN stack asset management web app with role-based access control, dynamic forms, optimized MongoDB schemas, a responsive React.js interface, and complex backend logic handled via Express.js.

Technical Skills

Languages: C++, Python, JavaScript, TypeScript, SQL, HTML/CSS
Full-Stack Development: React.js, Next.js, Node.js, Express.js, MongoDB, Socket.io, REST APIs, GraphQL
AI/ML & Data Science: PyTorch, TensorFlow, Scikit-learn, Hugging Face, LangChain, Pandas, NumPy, Matplotlib
Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Google Colab
Data Structures & Algorithms, Object-Oriented Programming (OOP), Problem Solving

Projects

Chikitsa – Medical Chatbot | *React, Flask, LangChain, FAISS, Groq LLM* | *Git Repository*   **June 2025**

- Built a full-stack RAG-based medical chatbot using Groq's LLaMA3 and LangChain for context-aware, AI-driven health responses.
- Scraped medical content from trusted sources and created a FAISS-powered vector knowledge base using HuggingFace embeddings.
- Enabled real-time voice queries by integrating Groq's Whisper API for speech-to-text conversion.
- Developed the frontend in React.js, backend in Flask, and used MongoDB Atlas for secure cloud data storage.

Hospital Food Delivery Management System | *MERN Stack* | *Git Repository*   **December 2024**

- Developed a centralized food delivery management system to streamline meal preparation, distribution, and tracking within hospital environments.
- Developed real-time dashboards to track meal schedules, inventory, and patient diets.
- Implemented a patient-focused service by integrating dietary preferences, restrictions.
- Utilized the MERN stack to build a secure, scalable platform with real-time updates and seamless communication between food managers, pantry staff, and delivery personnel.

Unitrade | *MERN Stack (MongoDB, Express.js, React.js, Node.js), Socket.io* | *Git Repository*   **October 2024**

- Developed an online marketplace platform tailored for seamless buying and selling of items, targeting college students.
- Implemented core features including product listings, search and filter functionalities, and a streamlined user interface.
- Integrated a real-time chat feature to enable seamless communication between buyers and sellers, enhancing the overall user experience.
- Utilized MongoDB for efficient data storage and retrieval, Express.js and Node.js for backend operations and React.js for a responsive and dynamic frontend experience.

Real-Time Chat Application | *MongoDB, Express.js, React.js, Node.js, Socket.io* | *Git Repository*   **September 2024**

- Designed and developed a real-time messaging application allowing users to communicate instantly.
- Integrated Socket.io to handle bidirectional, real-time communication between users, ensuring seamless messaging.
- Utilized MongoDB for efficient message storage and retrieval, allowing persistent chat history across user sessions.
- Utilized Express.js and Node.js for backend operations and React.js for a responsive and dynamic frontend experience.
- Secured application with user authentication and session management for safe and private communication.