ARIKALEESWARAN G

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EDUCATION

Chennai Institute of Technology - Chennai   2022 - 2026
B.E. CSE (Artificial Intelligence and Machine Learning), Pre-final year   Current **CGPA: 8.93/10.0**

EXPERIENCE

Cisco Networking Academy - Networking (Virtual)   May 2024 - Jul 2024

- Completed the Cisco Networking Essentials Course, acquiring practical and theoretical knowledge in designing, configuring, and managing Ethernet LANs using Cisco Packet Tracer and industry-standard networking tools.
- Configured and troubleshot **20+ network scenarios**, gaining advanced skills in using Cisco IOS for optimizing network performance and diagnosing network-related issues efficiently.
- Developed a strong foundation in networking technologies, preparing for advanced roles in the IT and networking fields by mastering core principles of network architecture and topology.

Mapos IT Services Pvt. Ltd.   May 2023 - Jun 2023

- Designed and implemented **10+ reusable web components** with HTML, CSS, and Python libraries such as NumPy and Pandas, which significantly streamlined project workflows and improved the overall efficiency of development processes by **20%.** Automated complex reporting workflows by analyzing and processing **1,000+ rows of data weekly**, improving reporting accuracy, and saving the team an estimated **3+ hours of manual effort.**
- Conceptualized and developed **3 user-friendly wireframes**, contributing to enhanced user interactions and ensuring **15% faster project development timelines** for ongoing initiatives.

PROJECTS

AI-Powered Complaint Management System | *Python, PyTorch, LangChain, Whisper, LLaMA, Streamlit*   [Oct 2024]
- Designed and implemented an AI-driven complaint management system for Indian Railways, capable of processing and resolving **10,000+ complaints daily** across text, image, and audio formats with high accuracy and efficiency.
- Utilized advanced AI models like **LLava** and Whisper to process multimodal inputs with **95%+ accuracy**, enabling seamless categorization of complaints for enhanced customer support.
- Enhanced system performance by integrating vector-based embeddings, significantly improving the classification speed by **30%**, and streamlining severity analysis using the **LLaMA** model to prioritize critical complaints effectively.

Digital Invoice Creator | *Express.js, JavaScript, Supabase, React.js, PostgreSQL, Tailwind CSS.*   [Mar2024]

- Developed a comprehensive full-stack application to automate the creation and management of **500+ invoices per month**, eliminating manual processes and reducing user errors by **40%** through streamlined workflows.
- Designed a unique identifier generation system for **1,000+ customers and invoices**.
- Implemented advanced features such as customizable item management and automatic generation of professionally designed PDF invoices, which included detailed payment summaries.

Task Management System | *Express.js, JavaScript, Supabase, React.js, PostgreSQL, CSS.*   [Mar2024]

- Designed and developed a fully responsive task management system, optimized for **100+ active users**, providing a smooth and user-friendly experience across multiple devices and platforms.
- Created RESTful APIs using Express.js and managed a robust PostgreSQL database capable of handling **1,000+ real-time task updates**, significantly improving task management efficiency by **25%**.

COMPETITIVE PROGRAMMING

Leetcode : Max rating - **1547** | Solved problems: **500+** | Top **86.22%** globally | Badges: **2** | Highest Rank: 4997.
Codeforces : Max rating - **819** | Position: **newbie**
CodeChef : Max rating - **1372** | Position: **1 Star** | Problems: **572** | Highest rank **2948** in contest **125** in division 4.

TECHNICAL SKILLS

C	Express.js	SQL	Linux (Bash)	OOPS
Python	Git	PostgreSQL	Postman	Operating System
Java	GitHub	MySQL	Tailwind	DBMS
JavaScript	React.js	Supabase	MongoDB	Computer Networks
HTML	CSS	Docker	DSA	

COURSES

CISCO - Cyber Security Essentials
CISCO - Networking Essentials
CISCO - Introduction to Packet Tracer

ACHIEVEMENTS

- Participated in the Karnataka State Police Datathon, showcasing data-driven problem-solving skills and innovation.
- Led the Media and Design Team for a departmental technical event, overseeing the creation of promotional materials, event branding, and digital content.