

# ARIKALEESWARAN G

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## EDUCATION

Chennai Institute of Technology  
B.E Computer Science and Engineering (AI & ML)

2022 – 2026  
CGPA : 8.85

## PROFESSIONAL EXPERIENCE

Cisco Networking Academy, *Networking (Virtual)* May 2024 – Jul 2024

- Mastered **fundamental networking concepts** through Cisco Network Essentials certification, creating and managing 10 **virtual networks** using **Cisco Packet Tracer** to simulate real-world enterprise network environments.
- Developed hands-on expertise in network configuration by designing and implementing different **LAN topologies**, including **configuring 5 switches** and routers, setting up **4 VLANs**, and implementing basic routing protocols.

Mapos IT Services Pvt. Ltd., *Web Development* May 2023 – Jun 2023

- Developed and implemented **5 web components** using **HTML, CSS, and Python libraries (NumPy, Pandas)** to automate weekly data processing of **1,000 records**, **reducing** manual reporting time from **4 hours to 1 hour**.
- Streamlined development workflows by **designing 3** comprehensive **wireframes**, which improved team development efficiency by 20% and accelerated project delivery timelines by 15% across multiple sprints.

## PROJECTS

ReserVault - **Reservation System**, *React.js, JavaScript, Express.js, PostgreSQL* Nov 2024

- Engineered a full-stack hotel booking platform managing **200 properties** across multiple categories, featuring **real-time availability tracking** for **500 rooms**, resulting in 30% faster booking process and **zero double-booking incidents**.
- Implemented a **scalable admin dashboard** handling 50 daily property updates and user **management tasks**, while reducing manual data entry time by 45% through **automated room status updates** and streamlined property listing workflows.

AI-Powered **Complaint Management System**, *Python, Streamlit* Oct 2024

- Led frontend development in a 4-person team project, architecting a **Streamlit-based interface** for Indian Railways' AI complaint system that seamlessly integrated **3 AI models** (LLaVA, Whisper, LLaMA) to process **10,000 daily complaints** across **text, image, and audio formats**.
- Engineered responsive UI components for **3 different input modalities** and implemented frontend-backend integration, resulting in 40% improved user engagement and 35% faster load times while **handling 1000 concurrent users**.

Digital **Invoice Creator**, Mar 2024  
*React.js, Tailwind, JavaScript, Express.js, PostgreSQL* 

- Architected and deployed a full-stack **invoice management system** processing **500 daily invoices**, implementing a **unique customer identifier** system for 1,000 active accounts and **automated PDF generation**, improving billing accuracy.
- Engineered end-to-end inventory management functionality featuring real-time item tracking, automated payment reconciliation, and customizable invoice templates, **eliminating 15 hours of weekly manual processing** and achieving 100% **paperless workflow** adoption.

## TECHNICAL SKILLS & TOOLS

• Java	• Express.js	• JavaScript	• Docker	• AWS
• C	• Tailwind CSS	• Bash	• Git	• Balsamiq
• Python	• MySQL	• Linux/Unix	• GitHub	• Figma
• React.js	• PostgreSQL	• Packet Tracer	• Supabase	• VisualStudio

## CERTIFICATION COURSES

• **AWS CERTIFIED CLOUD PRACTITIONER** - AWS

• **NETWORKING ESSENTIALS** - CISCO NetAcad

• **GENERATIVE AI: Introduction and Applications** - IBM

• **INTRODUCTION TO PACKET TRACER** - CISCO NetAcad

## COMPETITIVE PROGRAMMING

LeetCode  : Solved Problems: 500+ | Max. Contest Rating: 1665 | Highest Rank: 1584 | Top 15.8% Globally

CodeChef  : Max. Position : 2 Star | Max. Contest Rating : 1425 | Highest Rank : 1162 in Contest Starters 162

## ACHIEVEMENTS & VOLUNTEERING

- Karnataka State Police Datathon:** Participated and Engineered a solution of Police Performance & Resource Management.
- AI For Impact(Google):** Participated and engineered a solution of Intelligent Transportation System using AI/ML algorithm.
- College Symposium:** Led the **Media and Design Team** for a **department technical event**, overseeing the creation of promotional materials, event branding, and digital content.