

KARTHEESAN SENTHILKUMAR

+916382058580 · kartheesan2005@gmail.com · www.linkedin.com/in/kartheesan05
www.kartheesan.online · www.github.com/kartheesan05

SUMMARY

Pragmatic and amiable individual with a keen interest in full-stack development and cloud computing. A technically oriented student engaged in passion projects related to web development, with regular participation in hackathons. An excellent communicator with a creative mindset and proven leadership skills through council experience. Actively seeking an internship to further develop skills in full-stack and cloud computing, while contributing enthusiasm and innovative ideas

EXPERIENCE

Tech Head, FORESE

Dec 2024 - Present

- Developed web apps for the club's events and internal usage.
- Utilized the React framework alongside Node.js and MongoDB, PostgreSQL to build robust, scalable full-stack web applications. Deployed the web applications to the cloud using Digital Ocean's droplet service.
- Collaborated with cross-functional teams to gather requirements, troubleshoot issues, and deploy updates.
- Implemented an automated CI/CD pipeline ensuring continuous deployment with zero user downtime.

Senior Web Developer, Know-I

Jan 2024 - Present

- Developed and maintained the club's website and various event-specific websites, ensuring seamless user experiences and responsive designs.

PROJECTS

C-Sar

September 2024

Denoising and Colorizing SAR Images Using CNN models

- Developed a web application that integrates machine learning model for colorizing SAR images.
- Reduced load time by optimizing backend processes, enhancing user experience significantly.
- Technologies used: NextJs, Tailwind CSS, Python, TensorFlow, Flask.

Aid-Link

October 2023

Emergency Communication Mobile App

- Developed a mobile application that connects rescuers with individuals during emergencies, allowing for real-time communication.
- Implemented features for live location sharing and resource availability, significantly improving emergency response coordination.
- Technologies used: Flutter, Firebase, Google Maps API.

SKILLS

Full-stack development	Problem Solving	Dev Ops	Computer Networks
Data structures	Cloud Computing	Machine Learning	System Administrator

EDUCATION

B.E Computer Science and Engineering

2022 - 2026

Sri Venkateswara College of Engineering

- Relevant coursework in CS Fundamentals and Mathematics.

ADDITIONAL INFORMATION

- **Languages:** English, Tamil
- **Programming Languages:** Java, C, C++, JavaScript, TypeScript, Python
- **Certifications:** [TechA MERN Stack Developer Certification\(Infosys Springboard\)](#), [React Certification\(Udemy\)](#).