




SAKTHIVEL MURUGAN S

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 SSAKTHIVELMURUGAN



Education

B.E Electronics and Communication Engineering (Pursuing)

Karpagam Institute of Technology, Coimbatore

2021 – 2025

CGPA : 8

Higher Secondary Certificated

A.V.Rm.V Matriculation Higher Secondary School Tirunelveli

2019 – 2020

Percentage : 87%

Secondary School Leaving Certificate

A.V.Rm.V Matriculation Higher Secondary School Tirunelveli

2018 – 2019

Percentage : 81%

Certifications

Cloud Core Course

IBM

Aug 2023 – Nov 2023

- Learning Modules: Cloud fundamentals, Cloud infrastructure, Cloud services
- Learning Outcomes: Understanding cloud computing concepts, practical experience with IBM cloud services

Core Java Programming Course

Infosys Springboard

Aug 2023 - Sep 2023

- Learning Modules: Java basics, OOP concepts, Exception handling
- Learning Outcomes: Proficiency in Java programming, ability to develop Java applications

Python Course

GUVI

Jun 2023 - Jul 2023

- Learning Modules: Python basics, Data structures, File handling
- Learning Outcomes: Proficiency in Python programming, ability to solve problems using Python

Network Essentials Course

Cisco

Feb 2023 - Apr 2023

- Learning Modules: Networking basics, Routing and switching, Network security
- Learning Outcomes: Understanding of network infrastructure, practical skills in configuring and managing networks

Hands-on Training on Smart Phone Troubleshooting

Karpagam Institute of Technology

Nov 2022 - Nov 2022

- Learning Modules: Smartphone hardware, Common issues, Repair techniques
- Learning Outcomes: Ability to diagnose and repair smartphone issues, practical experience with various smartphone models

Projects

Sonic Safe ANC Industrial Solution

| Op Amp IC741, ANC Algorithm

May 2023 – Jan 2024

- Scope: Development and deployment of an industrial noise reduction system using ANC technology.
- Role: Led the creation and deployment of the system. Used technologies and tools including ANC technology, Op Amp IC741, and ANC Algorithm.
- Outcome: Achieved a noise reduction of up to 50 dBA with an 80% noise capture rate, effectively minimizing noise pollution in industrial settings.

React Portfolio Application with AWS and Docker

| AWS Services, Docker, GitHub Actions

April 2024 – May 2024

- Scope: Development and deployment of a responsive portfolio website.
- Role: Developed and deployed the website. Utilized technologies and tools including React.js, AWS services, Docker, and GitHub Actions.
- Outcome: Ensured high performance and scalability through AWS S3 and CloudFront. Achieved consistent deployment across environments with Docker and automated deployment with GitHub Actions. Deployed Docker image to AWS ECS and Kubernetes clusters for container orchestration and scalability.

Groove AI Bot Website Design

| Figma, Canva

May 2024 – present

Website Link : <https://pugalkmc.github.io/groove-ai-web/>

- Scope: Designing the Groove AI Bot website using Canva, with a focus on crafting high-fidelity mockups for the web poster and admin console.
- Role: Leading the development of a responsive and user-friendly interface, ensuring timely delivery and adherence to budget constraints.
- Outcome: Significantly enhancing the client's online presence through the implementation of the designed interface.

Technical Stack

- Amazon Web Services (AWS)
- Docker | Kubernetes | Terraform | GitHub | GitHub Actions | Jenkins
- Ubuntu Linux

Soft Skills

- Problem Solving
- Team Collaboration
- Leadership

Co-Curricular

Wired and Wireless Communications at Bharat Sanchar Nigam Limited

Aug 2022 – 2023

- Completed a comprehensive 15-day in-plant training program at BSNL, focusing on telecommunication systems and protocols. Acquired practical insights into industry-standard communication technologies and systems.

Presented a Paper on Blockchain Technology in NGP College

Aug 2023 - 2024

- Presented a paper on Blockchain Technology at NGP College as part of my interest in cryptocurrency and blockchain applications.

Awards

Coordinated and earned certificate for TEKSPARK23 quiz event

Coordinated a 4-round quiz competition at my college for TEKSPARK23. Prepared engaging questions, ensured smooth event flow for 1 hour, and earned an appreciation certificate for my coordination skills.

Area of Interest

- Digital Electronics
- Cryptocurrency
- Web Design using Canva, Figma