



SAKTHIVEL MURUGAN S

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🔗 SSAKTHIVELMURUGAN

🔗 View My Portfolio

🔗 Leetcode

PROFESSIONAL SUMMARY

I am a dedicated professional seeking opportunities to showcase my skills across various domains. I am eager to contribute effectively, overcome challenges, and drive success while committing to continuous learning and personal growth.

EDUCATION

B.E Electronics and Communication Engineering,
Karpagam Institute of Technology, CGPA: 7.8

2021 – 2025 | Coimbatore

Higher Secondary Certificate,
A.V.Rm.V Matriculation Higher Secondary School, Percentage : 87%

2019 – 2020 | Tirunelveli

PROJECTS

Mark Average Calculator with AWS Serverless and Terraform [🔗](#)

2024/05 – 2024/05

- Created a serverless web application to compute and store student mark statistics (total, average, and percentage) utilizing AWS Lambda, API Gateway, and DynamoDB.
- Automated S3 bucket provisioning for hosting static content using Terraform and managed access permissions with IAM roles.
- Technology Used* : AWS Lambda | AWS API Gateway | AWS DynamoDB | AWS IAM | Terraform

React Portfolio Application with AWS and Docker [🔗](#)

2024/04 – 2024/05

- Deployed a React portfolio website using AWS S3 for hosting and EC2 for server management, with Docker for containerization.
- Implemented a CI/CD pipeline using GitHub Actions for automated builds and deployment, ensuring continuous integration and delivery.
- Technology Used* : AWS S3 | AWS EC2 | Jenkins | GitHub Actions | Docker

Sonic Safe ANC Industrial Solution [🔗](#)

2023/05 – 2023/10

- Using an IC741 op-amp and an ANC algorithm, this system captures and cancels surrounding noise, achieving up to 50 dBA reduction. With an 80% noise capture rate, the base model effectively reduces noise pollution in industrial settings.
- Integrated NRF24L01+PA+LNA wireless module for seamless communication between workers in noisy industrial environments, enhancing workplace coordination.
- Technology Used* : IC741 Op-Amp | ANC Algorithm | NRF Wireless Module

CERTIFICATIONS

AWS Academy Graduate - Cloud Developing, AWS Academy

2024/10 – 2024/11

AWS Academy Graduate - Cloud Foundations, AWS Academy [🔗](#)

2024/07 – 2024/08

Core Java Programming, Infosys Springboard [🔗](#)

2023/07 – 2023/09

TECHNICAL STACK

Amazon Web Services (AWS)

| Docker

| Jenkins

| MySQL

| Java

CO-CURRICULAR

Presented a Paper on Blockchain Technology in NGP College [🔗](#)

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

Coordinated for TEKSPARK23 Quiz Event

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