

KAVIN M

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EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

MAY 2026

M.TECH CLOUD COMPUTING; CGPA – 8.14

B.S ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY

MAY 2024

B.TECH ARTIFICIAL INTELLIGENCE AND DATA SCIENCE; CGPA – 8.01

EXPERIENCE

Technology Intern – Virtusa

NOV 2025

- Worked on real time innovative projects involving Cloud and AI.
- Engaged in internal training programs, initiatives and completed global level certifications.
- Familiarity and involvement with CI/CD pipelines and general DevOps practices.

Research Intern - Anusandhan National Research Foundation

JULY 2025

- Implemented GAN-based models for denoising and enhancing low-dose CT images.
- Optimized model performance to improve image clarity and reconstruction accuracy.
- Collaborated on result evaluation and research documentation for publication.

PROJECTS

REAL TIME SPEECH BASED EMOTION RECOGNITION [DEEP LEARNING | DOCKER]

OCT 2025

- Developed a cloud native deep learning framework to recognize speech-based emotions.
- Worked with various paradigms right from data preprocessing, training and model deployment.
- Containerized on Docker and deployed on Render to consume real time inferences.

GAN-BASED DENOISING FOR LOW-DOSE CT IMAGES

JUN 2025

- Developed a GAN model (U-Net + PatchGAN) using PyTorch to enhance low-dose chest CT images.
- The denoised outputs are evaluated using PSNR and SSIM metrics to quantify image quality improvement.
- Offers potential solution for reducing radiation exposure in medical imaging while preserving diagnostic accuracy.

ZERO TRUST NETWORK IMPLEMENTATION ON DATA CENTERS – [AWS | TERRAFORM]

MAY 2025

- Enforce strict identity verification and least privilege access.
- Continuously monitor user activities and network traffic.
- Enhance network security using AWS native services.

TRANSPORT FLEET OPTIMIZATION AND ANALYTICS – [AWS]

APR 2025

- Enabled real-time data analysis and monitoring of transport fleet operations using AWS services.
- Delivered interactive dashboards for trip insights, revenue tracking, and performance metrics.
- Automated data flow and notifications to support informed, data-driven decisions.

ACTIVITIES AND CERTIFICATIONS

- AI Foundations Associate course offered by **Oracle**.
- Data Analytics course offered by **Google**.
- Cloud Computing Foundations course offered by **Google**.
- Currently volunteering as **Student Member** in Indian Society for Technical Education (ISTE).
- Certified **Data Engineer** and **Cloud Services Architect** from Amazon Web Services (AWS).
- Master **Machine Learning for Data Science** offered by **Codebasics**.
- Secured an **Advanced badge** in Hackerrank for **SQL**.
- Secured **Data Analytics Professional** Certificate offered by **Pro5.ai**.