

## 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

### 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.

### Data Analyst Intern – AtLiQ Technologies

JULY 2024

- Analysed large datasets to generate actionable insights, improving business decision-making.
- Developed interactive dashboards and reports using SQL and Power BI for data visualization.
- Optimized data pipelines and automated reporting processes to enhance efficiency.

## PROJECTS

### 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.

### AIRBNB DATA ANALYSIS – [Python | SQL | Databricks]

FEB 2025

- Performed exploratory data analysis on Airbnb listings to uncover pricing trends and occupancy patterns.
- Utilized PySpark for large-scale data processing, optimizing queries for efficient analysis.
- Created interactive visualizations to showcase key insights on location-based pricing and demand fluctuations.

## 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.