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

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.

SKILLS

Cloud Services

- Amazon Web Services (AWS)
- Google Cloud Platform (GCP)
- GitHub

Programming Languages

- Python
- SQL
- Linux (Kernel OS)

Analytical tools

- Power BI
- Databricks
- Advanced Excel

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

- **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.**