**SANKET MATROJA** (He/Him)

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**PROFILE**

Aspiring Data Engineer and Cloud Computing professional pursuing a Master’s degree in Computer Science. Excel at SQL Database management, cloud technologies(AWS,GCP) and web development. Passionate about leveraging technology to build scalable and efficient solution.

**EDUCATION**

**Pace University, Seidenberg School of Computer Science and Information Systems** New York, NY

Master of Science (MS) in Computer Science| **GPA: 3.77** May2026

**ITM Vocational University, Vadodara, India**

Bachelor of Science (BS) in Computer Science| **Concentration**: Cloud Technology and Cybersecurity| **GPA:3.87** May 2024

**ITM Vocational University, Vadodara, India**

Diploma in Computer Science| **GPA: 3.0** May 2021

**RELEVANT COURSEWORK**

Database System| Cloud Computing and Security | Data Structures and Algorithms | AWS | Web Application Development | Data Mining (In Progress)

**TECHNICAL SKILLS**

**Programming Languages:** Python , SQL

**Database Management:** PostgreSQl, MySQL, MongoDB

**Tools:** VS Code, Postman **,** Buisness Intelligence

**Libraries:** Pandas, NumPy

**Cloud Platforms:** AWS (EC2, S3, IAM), GCP (basic)

**ACADEMIC PROJECTS / PERSONAL PROJECTS**

**Airline Route Management System (PostgreSQL + Express.js)**

* Designed and implemented a relational database using PostgreSQL to manage airline routes, airports, and airline information.
* Created REST API endpoints using Express.js to allow users to query routes by airline, airport, and country.
* Used complex SQL joins, filtering, and aggregate functions to enable real-time search functionality for over 5000 routes and 1000+ airports.
* Applied database normalization and indexing techniques to improve query performance and maintain data integrity.

**Real-Time Stock Market Data Pipeline**

* Developed a streaming pipeline using Kafka and Aws Kinesis to process real-time stock data. web application
* Visulaized trends with Tableau.

**PROFESSIONAL EXPERIENCE**

**Leap| E-commerce** Kuala Lumpur, Malaysia

Creative Technologist | Data-Optimized Design & AutomationApril 2024 – July 2024

* Designed storefront layout and landing pages, collaborating with developers to enhance user experience.
* A/B Testing Framework to implement data-backed desigm iterations, improving conversion rates by 15% pages.

**Freelance Projects** India

AWS Cloud Resume Challenge 2024

* Deployed a serverless resume website using AWS S3, Lambda, and DynamoDB
* Automated infrastructure provisioning using Terraform.

**INTERESTS**

Cloud Architecture | Data Engineering | Travel and Cultral Exploration