SAILAKHMI KUMILI

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Work Authorization: H4-EAD

PROFESSIONAL SUMMARY

Entry level Data Analyst with strong hands-on experience in SQL, Excel based reporting, and data validation through academic projects. Skilled in data cleaning, trend analysis, and building reports to support data driven decision making. Actively seeking Data Analyst or Reporting Analyst roles.

EDUCATION

- Master of Science in Information Technology – 3.8
  Central Connecticut State University, New Britain, CT | 2025
- Bachelor of Science in Computer Science
  Andhra University, India

CERTIFICATIONS

- ISTQB Foundation Level (ASTQB)
- Professional Scrum Master I (PSM I)

TECHNICAL SKILLS

- Data Analysis & Data Transformation - SQL (Joins, Subqueries, Aggregations, GROUP BY), Data Validation, Data Cleaning
- Excel - Pivot Table, VLOOKUP, XLOOKUP, Advanced Formulas, Reporting Dashboards
- Programming - Python (Pandas, NumPy, basic Object-Oriented Programming concepts)
- Data Visualization – Power BI (basic), Excel Charts, Dashboard Reporting
- ETL Processes- Extracting data from relation database, transforming datasets using SQL and Python, and preparing data for analytics and reporting
- Tools – Azure Data Studio, Git
- Concepts – Data Integrity, Normalization, Trend Analysis, Performance Benchmarking, Data Security Awareness, Big Data Concepts (basic)
- AI / ML Techniques – Introductory exposure through academic coursework

PROJECT EXPERIENCE

Database Systems & Data Validation

Central Connecticut State University |2025

- Designed relational schemas and normalized database structures
- Developed SQL queries using joins, aggregations, and subqueries

- Validated backend data against business requirements to ensure reportion accuracy and data consistency
- Performed data integrity checks and accuracy validation
- Optimized queries for improved performance

Machine Learning Data Analysis Experiment

Central Connecticut State University | 2025

- Analyzed datasets including Loan Data, Glass, and CPU performance datasets
- Applied training, test splits and cross validation
- Interpreted accuracy, correlation, and error metrics
- Identified patterns and trends in structured datasets

DNA Sequence Analysis (Capstone – Data Processing Focus)

CCSU | 2025

- Processed large DNA Datasets for alignment benchmarking
- Compared GPU vs CPU execution performance
- Evaluated scalability and computational efficiency
- Structured experimental results for performance analysis

AVAILABILITY

- Open to Entry Level, Internship, and Contract roles
- Available for Hybrid / On-site opportunities.