Kalam Uddin

Data-driven professional specializing in Python and SQL programming and healthcare data analytics, currently pursuing a Master's in Data Science.

⌖ West Haven, Connecticut | ☎ (703) 656 3603 | @ klmkalam06@gmail.com | 🔗 Portfolio | in LinkedIn

Summary

Master's student in Data Science with 6+ years of experience in ETL processes, data cleaning, and healthcare data analytics. Improved data processing efficiency by 30% and decision-making speed by 20% through optimized pipelines. Skilled in SQL/Python, ensuring data accuracy and HIPAA compliance. Passionate about leveraging data engineering to enhance decision-making, improve outcomes, and drive innovation in healthcare technology.

Experience

University of New Haven (Tutoring & Academic Support Center)
September 2026 - Present
Tutor
West Haven, Connecticut

🔗 https://www.newhaven.edu/academics/academic-support/tutoring-academic-support-center/index.php

- Provide one-on-one and group academic support to students in [subject areas, e.g., python, sql, machine learning].
- Assist students in understanding complex concepts, improving problem-solving skills, and preparing for exams and assignments.
- Develop personalized learning strategies tailored to diverse student needs and learning styles.
- Facilitate collaborative study sessions and foster a positive, engaging learning environment.
- Monitor student progress and provide constructive feedback to encourage continuous academic growth.

Infinite Computer Solutions
February 2024 - July 2024
Sr. Software Engineer
Kathmandu, Nepal

🔗 https://infiniteitsolutionsnepal.com/

- Streamlined ETL operations, executing daily processes to transform raw data into structured formats, ensuring accurate data delivery to the production schema while consistently meeting SLAs.
- Resolved defects for a client called USI across QA and production phases, tracing issues to their source. Educating the team led to a 30% reduction in similar defects the following quarter, enhancing system reliability.
- Trained and onboarded new ETL team members, enhancing team efficiency by 20% through focused PL/SQL sessions and comprehensive domain knowledge transfer.
- Designed and managed data integration workflows using ODI (Oracle Data Integrator) instead of the legacy method, resulting in a 40% reduction in data processing time and improved business intelligence reporting.

Cotiviti Nepal Pvt. Ltd.
August 2023 - February 2024
Sr. Software Engineer
Kathmandu, Nepal

🔗 https://www.cotiviti.com.np/

- Contributed as a senior member of the ETL Defect Team, identifying and resolving defects across QA, pre-production, production, and post-release phases for major clients, including USI, Gallagher, and ABS Analytics.
- Facilitated training sessions for newly onboarded ETL team members, emphasizing SQL proficiency and US Healthcare data analytics knowledge transfer.
- Enhanced client scrub scripts, achieving a 20% reduction in processing time.
- Migrated clients like GBS Analytics from legacy systems to ODI (Oracle Data Integrator), resulting in a 40% decrease in data processing time.

Deerhold Ltd.
October 2021 - May 2023
Sr. Software Engineer
Kathmandu, Nepal

🔗 https://deerhold.com/

- Conducted specification reviews and data analysis, developing Snowflake SQL procedures to create optimized tables aligned with project metrics for service clients.
- Leveraged AWS tools, including S3, QuickSight, and CodeCommit to enhance cloud infrastructure and support data visualization initiatives.
- Executed operational ETL tasks, ensuring seamless data integration and maintaining high data quality throughout the ETL process.
- Collaborated with cross-functional teams to deliver data-driven solutions, significantly improving project efficiency and accuracy.

Cotiviti Nepal Pvt. Ltd.
June 2018 - October 2021
Software Engineer
Kathmandu, Nepal

🔗 https://www.cotiviti.com.np/

- Executed day-to-day ETL tasks using ODI and legacy scripts, improving data scrubbing efficiency by 25% which enhanced data quality for multiple clients.
- Developed and implemented new scripts and mappings in ODI for layout changes, reducing processing time by 20% and meeting client-specific requirements effectively.
- Utilized regular expressions to optimize file import patterns, resulting in a 30% reduction in data import errors and increasing the accuracy of incoming data sets.

Education

Tagliatela College of Engineering, University of New Haven   **August 2024 - Present**

Data Science   Master of Science

3.87 GPA

🔗 https://www.newhaven.edu/engineering/index.php

- **Coursework:**
    - Machine Learning ▪ Data Engineering ▪ Leadership in Data & AI Products ▪ Artificial Intelligence ▪ Maths for Data Science ▪ Natural Language Processing ▪ Power BI and Dashboarding ▪ Deep Learning
- **Tools:**
    - Python ▪ SQL ▪ TensorFlow ▪ Panda ▪ Matplotlib ▪ Power BI

IIMS College, Lovely Professional University   **September 2012 - March 2016**

Information Technology   Bachelor of Science

🔗 https://iimscollege.edu.np/

- **Coursework:**
    - Object Oriented Programming ▪ Managing Database ▪ Calculus ▪ Operating System
- **Tools:**
    - C++ ▪ HTML

Skills

Data Engineering & Analytics

● ● ● ● ○

ETL Processes, Data Integration, Data Cleaning, Quality Assurance, Statistical Analysis, PL/SQL, Power BI

Programming & Tools

● ● ● ● ○

SQL, Python, PL/SQL, Snowflake, AWS (QuickSight, S3, CodeCommit)

Data Visualization & Reporting

● ● ● ● ○

AWS QuickSight, Excel (Macros, Pivot Tables, Charts), SQL for Data Analysis

Project Management & Collaboration

● ● ● ● ○

Jira, BitBucket, Requirement Gathering, Cross-Functional Team Collaboration