Akanksha Sharma

Email: sharmaakanksha2431@gmail.com| **Phone:** (862) 707-8141 **|** Seattle, WA

LinkedIn | GitHub | Tableau

PROFESSIONAL EXPERIENCE

Data Engineer, **Sirius XM Radio Inc., New York, NY**   *Mar 2021 - Present*

- Developed data pipelines to ingest diverse data into AWS S3 datalakes using Talend ETL tool and Python
- Automated AWS SFTP file move process, integrating GPG decryption and data masking on Amazon ECS, thereby enabling data integrity for 60 wireless carriers and OEMs, reducing efforts by 95%
- Independently managed a wireless project and actively engaged in requirement gathering, troubleshooting data anomalies, and fostering cross-functional collaboration across diverse teams
- Optimized SQL queries in AWS Redshift to improve data storage and retrieval performance for daily business reporting thus reducing turn-around-time by 80%
- Enhanced data security with GPG encryption, leveraging optimized compression to achieve a 30% improvement in data transfer efficiency by building On-premise data pipeline

Business Intelligence Extern, **Stryker Corporation, NJ, USA**   *Jun 2019 - Dec 2019*
Medical Products Life Cycle Codes (LCCs) Prediction

- Automated classification of medical devices and developed clear product labels with **93%** prediction accuracy using hybrid supervised/unsupervised machine learning technique
- Streamlined insights delivery, decision-making and inventory planning through Power BI and Tableau dashboards
- Visualized medical data by creating Tableau dashboard to understand medical devices and their sales pattern
- Developed a data model on Power BI by defining relationships between multiple data tables in MS Azure database
- Built a business dashboard to assess performance of medical devices across product hierarchies and geographies in multiple time frames using MS Powe BI

Assistant Systems Engineer, **Tata Consultancy Services, Delhi, India**   *Jan 2017 - Aug 2018*
Sailing Management and Customer Lifetime Value Prediction

- Developed and supported the backend operations of web-based applications on the Mainframes platform
- Predicted the future purchasing behavior of cruise customers using RFM model, leading to a 10% increase in sales
- Increased 20% growth in customer retention by exploring high-performance promotional and pricing offers

TECHNICAL SKILLS

Cloud Services: AWS – (S3, ECS, EC2, Redshift, DynamoDB, Glue, Athena, Lambda, Kafka)	**Software Tools:** MySQL Workbench, DbVisualizer, Tidal, Jira, Jupyter, Postman, Putty	**Data Visualization:** MS Power BI, Tableau, ArcGIS, MS Excel
Programming Languages: Python, R, C++, shell, COBOL, HTML,	**Database:** MySQL, MSSQL, DynamoDB, AWS Redshift, MS Azure	**Test/Version Control Tools**: SVN, Git, Bitbucket, Jira, Confluence
ETL and Orchestration Tools: Talend Studio, Talend Management Console, Tidal	**IDE and OS:** PyCharm, Anaconda, Spyder, Linux, Mac, Windows	**Data Science:** LSTM, Deep neural networks, Regression, Clustering

EDUCATION

Rutgers University, New Brunswick, NJ
Master of Business and Science in Analytics: Discovery Informatics and Data Sciences

TECHNICAL PROJECTS

Hospital Length of Stay (LOS) Prediction *(Python, MySQL, MS Excel, AWS)*

- Analyzed the factors affecting the length of stay of in-patients and predicted the LOS with **94%** prediction accuracy

Cruise Search Web Application *(MySQL, PHP, HTML, Relational Data Modeling)*

- Designed the star schema and stored the project data in a relational database using MySQL and developed web UI