

Amandeep Singh

Boston MA | 857-308-9027 | amandeepssidhu92@gmail.com
www.linkedin.com/in/amansingh-sidhu | <https://github.com/Amandeep-singh11>

Data Analysis | Business Intelligence | ETL | Financial Reporting

EDUCATION

Master of Science in Information System | Northeastern University | Boston, MA August 2019

Related Coursework- Databases, Data Science, Machine Learning, Data Warehousing, Business Intelligence

Bachelor's in Mechanical Engineering | Rajiv Gandhi Technical university| Bhopal, India May 2014

TECHNICAL SKILLS

Languages/Databases:	Python, R, PL/SQL, MySQL, Oracle, SQL Server (SSMS), PostgreSQL, HTML
Data Integration/ Analysis:	Talend, Alteryx, SQL Server Integration Services (SSIS), SQL Server Integration Services (SSAS), Azure
Business Intelligence:	Tableau, Power BI, SQL Server Reporting Services (SSRS), Qlik Sense, Microsoft Excel
Libraries:	Numpy, Pandas, Scikit-learn, Matplotlib, Seaborn, Boruta, Boto3
Other Tools:	Bloomberg, OLAP, Findur, Visual Studio, Docker, GitHub, AWS, Jupyter, DAX, SDLC, Macros, JIRA

PROFESSIONAL EXPERIENCE

Business Data Analyst | John Hancock - Boston, MA May 2018- December 2018

- Performed source analysis for large data sets and built **SSIS** package to execute data integration and reconciliation
- Worked with business stakeholders and developed matching criteria's in python based Natural rule language which helped to optimize over 60 Reconciliations related to investment products
- Collaborated with development team to setup SFTP servers with counter parties which automated all the process resulting in both quantitative (1.1 FTE) and qualitative savings (better results)
- Created **Power BI** dashboards & **KPIs** for optimized recs to analyze specific business process performance

Data Analyst | Eclerx Services Ltd - Mumbai, India July 2015- July 2017

- Analyzed data trends for cash breaks and implemented them in reference lookup tables using regex to develop system rules
- Integrated data from various source systems using **SQL** and performed analysis by creating interactive **Tableau** dashboards for business users to make data driven decisions
- Developed various reporting templates which reduces processing time by 20% while improving the accuracy, risk, and timing of derivatives settlement
- Developed 6 Reference Lookup tables to set new rules for reconciliation which enhanced the productivity and resulted in 17% reduced manual work

Market Research Analyst | Money World Research Pvt Ltd - Indore, India July 2014- February 2015

- Cleaned and analyzed NSE historical market data through various forms of research including data mining
- Generated statistical reports for current and historical data which helped research team to perform **trend analysis**
- Presented the complex analysis in understandable documents allowing research team to quickly engage with the findings

ACADEMIC PROJECTS

Retail Datawarehouse (Talend, SQL) February 2019 – April 2019

- Extensively used **ETL** methodology to create a Retail Datawarehouse from various data sources using **Talend**
- Performed reject analysis and troubleshoot data integration issues and bugs
- Created interactive **Power BI** & **Tableau** dashboards which helped in analyzing overall sales and product consumption in different geographic regions

Customer Retention Analysis (Python, Docker, AWS) February 2018 – April 2018

- Built and analyzed most accurate model among **Logistic regression**, **Kneighbors**, **Decision Tree** and **Random Forest** to predict the Customer Churn
- Serialized all the models using **Pickle**, built a pipeline, deployed whole setup using **Docker** and stored in S3

Trade Life Cycle Management System (MySQL) October 2017 – December 2017

- Engineered ER diagram and implemented techniques like triggers, views, transactions and stored procedures to construct a whole database structure to execute hedging of funds for products like swaps and margins