

JESSICA CLAIRE

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📍 Montgomery Street, San
Francisco, CA 94105

SKILLS

- Languages: Python
- Database: SQL, MongoDB
- Machine Learning: Regression, Classification, Clustering, Decision Trees, Random Forests
- Data Visualization: Matplotlib, Tableau
- SCM: Git
- CI/CD
- Docker
- Jira, Kanban board
- Agile Methodology
- ETL Models
- Pyspark
- Redshift
- Snowflake
- BigQuery

EDUCATION

University of North Carolina
Greensboro
Greensboro, NC • 05/2016

MS: Computer Science
GPA: 3.81/4.0

Jawaharlal Nehru Technological
University
Hyderabad, India • 05/2011

Bachelors: Computer Science
GPA: 3.76/4.0

PROFESSIONAL SUMMARY

- Overall, 8 years of experience as a Data Engineer/Data Analyst in Data Science and Analytics with Machine Learning and Statistical Analysis.
- Experience with Python 3 and corresponding Data analysis, Data Visualization and Machine Learning libraries such as Scikit-learn, Pandas, Seaborn, Matplotlib and Numpy.
- Familiar with gathering, cleaning and organizing data for use by technical and non-technical personnel. Advanced understanding of statistical, algebraic and other analytical techniques. Highly organized, motivated and diligent with significant background in Python Programming.
- Hands on experience in applying Machine Learning algorithms such as Linear and Logistic Regression, SVM, KNN, Naïve Bayes, Decision Trees, Random Forest, K-means Clustering, PCA, Linear Regression, Neural Networks.

WORK HISTORY

Bankers Healthcare Group - Data Engineer/Python Developer
Seattle, WA • 05/2017 - Current

- Collaborated with application teams to translate project requirements and business objectives into polished user interface to automate network configuration on Cisco ACI using Python.
- Perform Data Cleaning, features scaling, features engineering using Pandas and NumPy packages in Python.
- Revised, modularized and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Developed, implemented, supported and maintained data analytics protocols, standards and documentation.
- Analyzed complex data and identified anomalies, trends and risks to provide useful insights to improve internal controls.
- Collaborated with cross-functional teams on ETL (Extract, Transform, Load) tasks, maintaining data integrity and verifying pipeline stability.
- Optimized SQL queries for improved performance and availability.
- Worked in Machine Learning classification models using Python.
- Worked on outlier detection with data visualizations using boxplots, feature engineering using KNN distances using Pandas, NumPy packages in Python.
- Used various python libraries like Pandas, NumPy, seaborn, SciPy, Matplotlib, Scikit-learn to develop machine learning algorithms.
- Analyzed existing SQL queries to identify opportunities for improvements.
- Developed custom SQL scripts to improve the database efficiency, reduce data load time and enhance performance

Client: Lexis Nexus - Data Analyst/Data Engineer
City, STATE • 11/2016 - 04/2017

- Responsible for data aggregation, data cleansing, missing value imputation and descriptive and inferential analysis.
- Implemented data processing applications to collect, clean and normalization volumes of open data.
- Clean data and processed data into maneuverable deliverables within specific format with Excel macros and python libraries such as NumPy and Matplotlib.
- Managed tableau dashboard in Tableau server and optimized dashboard performance.
- Communicated and presented profile reports using Python and Tableau, analytical results, and strategic implications for strategic decision making.
- Optimize SQL performance, integrity and security of the project's databases/schemas. Contributed to the optimization of data management and performance tuning.
- Created, modified and troubleshoot SQL queries, stored procedures and jobs

Client: Netapp - Python Developer/Data Engineer
City, STATE • 06/2016 - 11/2016

- Worked on project from gathering requirements to developing applications.
- Worked on Anaconda Python Environment with activation and creation using python libraries such as NumPy for performance calculations.
- Wrote clean, clear and well-tested code for various projects.
- Maintained existing applications and designed and delivered new applications.
- Authored code fixes and enhancements for inclusion in future code releases and patches.
- Worked on SQL development in MYSQL.

IBM - SQL Developer
City, STATE • 09/2011 - 02/2014

- Created optimal technical solutions to user needs through research and in-depth system analysis.
- Devised high-quality database solutions ranging in size and complexity, increasing productivity and improving data sharing.
- Supported multiple concurrent projects enabling delivery efficiencies and technical resolution.
- Designed and implemented TSQL queries for reporting and complex solution development.
- Built data integration solutions to automatically introduce new sets into existing asset repositories.
- Orchestrated optimized transformation processes for moving data sets between sources and target tables.
- Built useful reporting deliverables to properly document analysis results and provide performance improvement feedback.