

# SAANIL KHANNA

Dallas, Texas

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## EDUCATION

**Stevens Institute of Technology, Hoboken, NJ**

Sept 2021-May 2023

**Master of Science in Business Intelligence & Analytics**

**GPA: 3.8**

**Related Courses:** Business Intelligence & Data Integration, Data Analytics & Machine Learning, Project Management, Supply Chain Analytics, Management of AI technologies, Optimization & Process Analytics

**Symbiosis Institute of Technology, Pune, India**

Jun 2017- May 2021

**Bachelor of Science in Electronics & Telecommunication Engineering**

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## SKILLS

**Software:** Proficient in SQL, Python, and Working knowledge of R, C

**Programs:** Microsoft Suite (Excel, Word, PowerPoint), Power BI, ServiceNow, Tableau, Alteryx, AWS

**Strengths:** Analytical Thinker, Adaptable, Goal-oriented, Strong work ethic, Creative Problem-solver

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## EXPERIENCE

**Allstate Benefits, Dallas TX, USA**

Aug 2021 -May 2023

**Data Analyst**

- Worked on data cleaning, data visualizing, and data mining in SQL, Python and R
- Produced various capacity planning reports using Python packages NumPy, Pandas, matplotlib, and ggplot2
- Utilized AWS services, such as Amazon S3 and Amazon Redshift, to efficiently store and process large volumes of data for a data analytics project increasing efficiency by 19%
- Developed SQL scripts for creating tables, Sequences, Triggers, views, and materialize views
- Implemented AWS IAM policies and roles to establish granular access controls, ensuring data security and compliance with industry regulations
- Built and maintained complex SQL scripts for both Production and Development environments
- Constructed indexes on tables for faster retrieval of data to enhance database performance by 37%

**Monter Technologies Inc., Pune, India**

Jan 2020 – Dec 2020

**Data Engineer Intern**

- Leveraged SQL and Python Pandas for doing exploratory data analysis
- Extensively modeled on SQL writing complex queries and extracting data
- Collaborated with Business Analysts to generate insights, contributing to 30% increase in customer churn
- Developed highly effective monthly reports, resulting in 20% increase in efficiency of product cycle

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## ACADEMIC PROJECTS

**Stevens Institute of Technology**

**Sentiment Analysis of Twitter Project | Python**

Sept 2022 - Dec 2022

- Conducted Twitter sentiment analysis to extract insights on customer perceptions and brand reputation
- Utilized data mining and visualization tools to identify trends and patterns in customer feedback
- Validated model's performance using SVMs precision, recall, F1-score and achieved an overall accuracy of 91%

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## PUBLICATIONS

**Research Paper Published in MDPI (Switzerland)**

August 2020 – May 2021

The Classification of Alzheimer's Disease Patients Using Texture Analysis and Machine Learning <https://www.mdpi.com/2571-5577/4/3/49>. Built a Machine Learning-Data science-based project using the MRI scans as datasets. Texture Analysis was main area of concentration during our research. SVM, Ensemble, Decision Trees were main algorithms applied in machine learning