

# DHRUV GAJJAR

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## EXPERIENCE

**Amgen (Formerly Horizon Therapeutics)** - Deerfield, IL

**Data Engineer II, Data Science & Advanced Analytics**

**Jun 2022 - Present**

- spearheaded Entity resolution for patient date... got published pmsa...neo4j... researched algos...used for leads and targeting for reps and lead to X amount of leads
- Set up and maintained various working environments for data scientists, including local Linux servers and Google Dataproc Apache Spark environments, ensuring seamless and efficient workflows. Made continual improvements to workflow, processes, utilities, and automated jobs, enhancing overall productivity
- Implemented and advocated for Git version control among our data scientists, streamlining collaboration and code management
- Facilitated the finalization and packaging of the Data Scientists' code and models for production, ensuring robust ML Ops and Dev Ops practices with automated job scheduling and the integration of Spark and other essential libraries
- leads sample for testing...ml pipeline
- Monthly processing... building pipelines...Helped create data engineering processes
- Designed and managed an internal logging and QC package to track and alert on ETL results and ML model performance. This ensured downstream processes were accurate and reliable reduced the frequency of pipeline reruns by over 90%
- Managed several integration initiatives post-acquisition, such as migrating >1,000 TB (GET ACTUAL SIZE!!) of data from GCP Storage to AWS, recreating Data Science working environments in Databricks, and refactoring existing code and ETL pipelines across. improving efficiency by X%
- Assigned tasks to interns, consultants, and junior team members, and conducted code reviews to ensure quality by thoroughly reviewing and providing feedback on pull requests
- Independently managed relationships with multiple data and software vendors, ensuring smooth collaboration and timely resolution of issues

**Senior Analyst, Strategy & Commercial Analytics**

**Nov 2020 - Jun 2022**

- Utilized Sklearn linear regression to predict newly prescribed patient adherence curves aiding early outreach strategies, resulting in a 10% increase in patient adherence and a 5% increase in revenue over the following year
- Optimized existing Python sales reporting processes by implementing automated pipelines and establishing best practices for package management, documentation, and source control. Decreased runtime by 66% and error checking time by 50%
- Improved automated lead finding alert accuracy and timeliness by tying in external insurance claims with internal patient enrollment data, updating business rules, and adding a logging and QC process enabling the sales and patient access teams to react to and onboard potential patients faster
- Developed relevant and actionable KPIs, reports, and deep-dive projects by gaining a keen understanding of business needs as a cross-functional partner. Enhanced awareness of brand performance and patient trends across 5 previously siloed teams

**Axtria** - Thousand Oaks, CA

**Decision Science Associate**

**Apr 2020 - Oct 2020**

- Regularly presented Tableau dashboards developed through a Python backend which spanned every business unit and monitored sales effectiveness and account engagement empowering leadership to adapt quickly to COVID-19 disruptions
- Collaborated with an offshore team of 2-3 individuals by delegating tasks, leading working sessions, and providing constructive feedback, resulting in timely completion of tasks, positive feedback from stakeholders, and improved quality of work

**Decision Science Analyst**

**Mar 2019 - Apr 2020**

- Conducted a patient journey analysis using Python and SQL on a 10+ billion row insurance claims dataset which identified key milestones slowing down patients' access to diagnosis and treatment, reducing early disease detection by 100+ days
- Designed multiple Tableau dashboards to replace the client's existing PowerPoint dashboards and various disconnected sales data sources, decreasing the 1-3 daily hours spent on manual calculation, analysis, and visualization

**WEC Energy Group (Peoples Gas)** - Chicago, IL

**Engineering Student Intern**

**Jun 2017 - Aug 2018**

- Obtained approval for the engineering team to implement a production MS SQL database by showcasing a proof-of-concept SQL Server database ensuring that future data is secure, scalable, and recoverable
- Aided future consultant contract negotiations, budget forecasting, and on-site construction measurements by introducing a VBA cost analysis and quality assurance tool

## EDUCATION

**Georgia Institute of Technology** - MS in Computer Science (Specialization: Computing Systems)

**University of Illinois Urbana-Champaign** - BS in Engineering Physics (Specialization: Computational Physics)

## SKILLS

**Languages:** Python, SQL, Scala, Java, BASH, Powershell, C/C++, HTML/CSS, Javascript, R

**Libraries & Frameworks:** Pandas, Pyspark, GraphDataScience, React, Flask, JUnit

**Developer Tools:** Git, Google Cloud, Azure, AWS, Apache Spark, Neo4j, Snowflake, Databricks, Linux, Android Studio, Docker, Delta