

# Vijay Gavidì

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An analytical professional with above 5 years of experience in leveraging data science techniques across domains like health, retail and automotive, seeking for a mid-senior level internship opportunity in Data Science/Business Analytics from May 2022 where I can improve my skills while also contributing to the growth of the organization

## Work Experience

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### Senior Data Scientist

Quantium - Hyderabad, Telangana

September 2021 to December 2021

Quantium Internal:

- Worked along with Quantium Health's leadership team on multiple business development pieces to engage with new clients in Hemophilia, Stem Cell transplant, Vaccines & Oncology spaces
- Conducted various training sessions across the organization on Snowflake & Excel and mentored junior data scientists in the team on skill development, career path and provided necessary guidance
- Conducted Discovery data & tables sessions for the Health vertical (India & South Africa)

### Data Scientist

Quantium - Hyderabad, Telangana

December 2019 to September 2021

Type-1 Diabetes Treatment Analysis:

- Helped a leading MedTech company in its plan to include CGM devices into all Discovery insurance plans for

Type-1 diabetics in South Africa

- Provided incidence rates, prevalence, total patients per treatment method and average treatment cost incurred to the patient and the insurance company across various demographics by performing the analysis on Snowflake.
- Performed risk adjustment and provided overall costs including comorbidities and complications which resulted in downstream cost savings of R50,000 per patient

Covid-19 Pre-Auth Analysis:

- Worked along with a leading pharma company to see the impact of Covid-19 in pre-authorized admissions and to find the net loss of sales
- Performed the analysis on Snowflake and calculated the total admissions that happened at a month level and compared it to pre-authorized registrations and provided elective admissions rate decline due to Covid-19
- Calculated the total medication costs generated through pre-authorized admissions at month level for all the manufacturers and provided a comparison of Client vs its competitors. Both the client and its competitors lost

40% medication revenue due to Covid-19 on a YoY comparison

## **Decision Scientist**

Mu Sigma - Bengaluru, Karnataka

October 2018 to November 2019

### **Profitability Prediction Model:**

- Collaborated with a leading US technology company to predict profitability for their enterprise contracts and to provide the most influential levers along with recommendations and automate the complete process
- Created the master analytical data set and performed hypothesis testing on all the levers to identify relevant levers that could significantly affect delivery margin of a contract.
- Built a logistic regression machine learning model, achieved 86% accuracy and provided recommendations based on coefficients and helped the client better manage their resources and save \$7Million every year

### **ECU Test Cases Automation:**

- Worked along with a leading automotive company to help them automate verification of ECU test results
- Responsible for project scoping, execution and leading a team of 6 junior data scientists
- Setup a centralized data gathering process which parsed structured and semi-structured data using Python
- Extensively used regular expressions and successfully tested and automated the tool to verify the ECU test cases to a major extent which resulted in reducing the manual effort & time by 40%

## **Trainee Decision Scientist**

Mu Sigma - Bengaluru, Karnataka

October 2016 to September 2018

### **Catalogue Analysis:**

- Collaborated with a leading Australian retailer to generate weekly and monthly catalogue reports to help them analyze the performance of catalogues of all the 7 states.
- Scrapped the catalogues present on the websites for both the client and its primary competitor using Python and transformed it into structured data and provided comparison of savings
- Calculated the sell through percentage & different levels of margin at product level and generated weekly & monthly reports which are sent to client's Managing Director as it helped them better assort the catalogue

### **Customer Care Analytics:**

- Worked along with a leading US retailer to proactively mitigate the calls received from stores by identifying the root cause for call volume drivers and by assessing the associate's productivity
- Extracted data present in JSON key, value pairs and converted to tabular form using python nested dictionaries
- Created a master table in Teradata containing all the relevant metrics by joining multiple tables and optimized the whole code to meet hourly cadence requirement resulting in 8% decrease in call volume

### **Prostate Cancer & Multiple Myeloma Analysis**

- Collaborated with a leading pharmaceutical company in South Africa to help shape their strategy in launching new products in prostate cancer & multiple myeloma spaces
- Categorized prostate cancer patients in to 4 different categories (nmHSPC, mHSPC, nmCRPC, mCRPC) and provided the incidence rates and prevalence for both the cancers across various other demographics
- Performed the analysis in Scala and provided the total patients split by their cancer stage, line of treatment and provided total claims, medication used (L01 drugs) and costs associated with them for multiple myeloma and prostate cancer

#### Hip & Knee Implants Analysis

- Worked along with a leading MedTech manufacturer to provide competitor analysis for their hip & knee implants
- Performed analysis on retrospective claims data of Discovery insurance and created a master dataset and analyzed the behavioral patterns of patients with hip & knee implants over the analysis time in Snowflake
- Provided primary total knee replacements, revision rates & the costs associated with them for all the manufacturers split by time period and demographics like age, gender, plan group, province & region
- The analysis helped the client to focus on areas of improvement in the hip & knee implants market and estimated to have 5% increase in market share in the next financial year

## Education

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### **M.S in Analytics and Information Systems**

University of South Florida - Tampa, FL

January 2022 to December 2022

### **Bachelor of Technology in Computer Science Engineering**

Jawaharlal Nehru Technological University - Kakinada, Andhra Pradesh

September 2012 to April 2016

## Skills

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- R
- Python (Pandas, Numpy, Matplotlib)
- Spark SQL
- Scala
- PowerPivot  
Database Technologies: MySQL
- SQL Server
- Snowflake
- Teradata & Hive  
Visualization Tools: Tableau
- Excel  
Other Tools: GIT
- JIRA
- Oozie
- MS Office