

GEO GEORGE

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Al Qusais 1, Dubai, UAE ◇ Age : 27

Portfolio Website : <https://george97.github.io/>

EDUCATION AND QUALIFICATIONS

Post Graduate Diploma in Data Analytics (Distinction)

October 2021 - June 2023

University of Warwick

Modules included: Data Mining, Natural Language Processing, Data Visualization

Bachelor of Technology in Computer Science and Engineering

July 2015 - June 2019

National Institute of Technology, Calicut

Modules included: Database Management Systems, Computational Intelligence, Simulation Modelling

WORK EXPERIENCE

Taha Actuaries and Consultants, Dubai

Data Analyst

December 2023 - Present

- Published a provider and physician scoring Power BI dashboard using medical claims data to investigate FWA (fraud, waste and abuse) and identify possible recoveries for the insurance program achieving 6% cost savings
- Managed Extract-Load-Transform (ELT) pipelines in Snowflake SQL; reported and tracked data quality using dashboards and coordinated with data providers to reduce issues by 60%
- Created quarterly reports to analyze performance of the program detailing top providers, diagnoses, services and drugs and distribution by claim type, claim cost PMPY (Per Member Per Year) by age and gender
- Automated claims reconciliation with financial invoices using Python and SQL resulting in 10 hours of time saved every month
- Conducted disease studies to summarize the utilization of colonoscopy procedures and presented findings to client highlighting key demographic and provider-wise trends
- Led a pricing project for new medical treatments introduced in the region to treat Essential Tremor (ET)
- Negotiated medical service tariffs with Third Party Administrators (TPAs) and healthcare providers during empanelment.

British Airways, London

Graduate Data Science Consultant

October 2022 - Feb 2023

- Developed a dynamic Tableau dashboard to identify critical codeshare gaps within BA-operated and marketed flights after diligently liaising with stakeholders to gather requirements, slashing issues by 70% over 3 months
- Revamped the passenger and revenue forecast model by incorporating cabin cross-selling scenarios and fine-tuning predictive algorithms utilizing Python, SQL and Git following agile methodology, leading to 15% improvement in revenue projections

Capgemini, Mumbai

Associate Consultant

October 2020 - December 2020

- Played a pivotal role in transitioning a multinational supermarket chain from legacy systems to SAP S/4 HANA, streamlining inventory tracking, logistics and business workflows resulting in improvement of inventory turnover ratio by 15%, revenue growth of 10% and enhanced data privacy and security
- Designed and executed SQL queries that efficiently extracted and analyzed data from SAP HANA, enabling smooth data migration and drop in data quality issues by 20%

- Spearheaded the creative redesign of the price card printing process by replacing smartforms with ADOBE forms, showcasing project management skills, yielding 80% decrease in alignment, formatting and printing errors and enhanced customer satisfaction

Capgemini, Mumbai

Senior Analyst

September 2019 - October 2020

- Collaborated with clients to design and implement ABAP RICEF objects and leveraged detailed reports to simplify complex inventory management data, resulting in 25% decrease in time spent by end-users to interpret and act on insights
- Collaborated in a team of 7 to resolve critical bugs on short notice during early stages of project Go-Live
- Conducted rigorous unit testing and debugging to enhance code quality and stability, leading to 30% reduction in post-implementation defects

RESEARCH AND PROJECTS

[\(CLICK HERE FOR PORTFOLIO WEBSITE\)](#)

- **Human Target Search & Detection using Autonomous Unmanned Aerial Vehicle (UAV) and Deep Learning, 2020 IEEE IACT**

Played a crucial role in the development of an autonomous drone capable of identifying and monitoring specified targets with high level of accuracy. A mounted camera is used to give visual feedback and an on-board processing unit runs You Only Look Once (Y.O.L.O) image recognition algorithm to identify targets in real time. Communication modules are used for relay of information between the drone and base station allowing for instant feedback. Co-presented the project at the 2020 IEEE IACT conference, showcasing innovative use of deep learning in real-world applications.

- **Automated Web scraper to collect dynamic university course data in regular intervals using Python, Selenium and VBA**

Developed an automated web scraper for a client that fetches data from a dynamic JavaScript enabled website containing course data for the University of Windsor and stores it in an Excel file every 20 minutes using Python, Selenium and Visual Basic Advanced (VBA). Created a macro button in Excel to run VBA code and start the Python script. Utilized 'xlwings' library to facilitate data collection into a pandas dataframe and establish connection between Python and Excel.

- **Sentiment Analysis of Tweets using Natural Language Processing (NLP)**

Designed and implemented a sentiment classifier to classify tweets as positive, negative or neutral utilizing Linear Support Vector Classifier (SVC); Obtained accuracy of 63% and f1-score of 60%.

- **Dashboard for Bike Shop to monitor KPIs and Analyze Trends using Power BI**

Created an interactive Power BI dashboard to track KPIs like Revenue, Profit, and Return rate using Sales, Product, and Returns data of a Bike Shop. Dynamic charts, filters, slicers and maps were utilized to compare regional performance, understand customer behavior, and analyze product-level trends.

CERTIFICATIONS

- **Amazon Web Services (AWS) Certified Cloud Practitioner**

January 2021 - January 2024

Proficient in AWS cloud platform - AWS Well-Architected Framework, billing, pricing models and security concepts

SKILLS AND TOOLS

- **Skills:** Data Analysis, Data Cleaning, Data Transformation, Data Visualization, Machine Learning, Web Scraping, Statistical Analysis, A/B Testing, Version Control, AWS Cloud, Stakeholder Management
- **Tools:** Python, SQL, Microsoft Power BI, DAX, Selenium, Microsoft Excel, Tableau, Git, C++, AWS Cloud, HTML, R, SAP ABAP