

Personal Profile

I am detail-oriented and results-driven data analyst having experience in analytical reporting, data analysis and management, and stakeholder engagement with in healthcare insurance sector. Adept at leveraging technical expertise in SQL programming, Power BI, data visualization techniques and Python to transform complex data to provide actionable insights and drive decision-making processes. Seeking an opportunity where I can utilize my analytical skills and expertise in data management to drive organizational success.

Technical Skills

- **Microsoft Power BI** (DAX, power query, paginated reports and interactive dashboards)
- **SQL** (MySQL, PL/SQL)
- **Python** (Pandas, Seaborn, Matplotlib, NumPy, Flask, API)
- **SAS** (Base/SAS, SAS/SQL, SAS/MACROS, proc SQL, JCL, TSO, ISPF)
- **Excel** (VLOOKUP, Conditional Formatting, Pivot Tables, Pivot charts)
- **Tableau**
- **Database** (IBM DB2)
- **Data cleaning, modeling, visualization, analysis, management, and reporting** (across all mentioned tools).

Soft skills

- Effective communicator
- Strong analytical and problem solver
- Fostering Stakeholder management
- Proficient in organizational skills
- Adept in time management
- Collaborative team player
- Attention to detail
- Flexibility and adaptability

Professional Development

- Completed **Power BI Data analyst course** from Datacamp in February 2024.
- Attained **Python Programming Certificate** through General Assembly, Sydney in December 2023.
- Completed **Graduate Certificate in Data Science** Fundamentals from Latrobe University in November 2023.
- Developed organizational, detail-oriented, and adaptable traits while balancing my family responsibilities.
- **Voluntarily** trained students in various tool RDBMS, Database/SQL, DB2, MS Excel, MS Word, and the basics of Python programming.

Projects

POWER BI ECOMMERCE SALES DASHBOARD – Personal Project – Melbourne, VIC

January 2024

- Developed a dynamic Ecommerce sales dashboard using Power BI, aimed at providing actionable insights to drive business growth. Integrated SQL queries were utilized for data extraction and transformation provided a real-time visibility into Year-to-Date (YTD) sales insights and trends to the company.
- The dashboard, featuring key components such as a KPI Banner, Year-on-Year growth analysis, and performance metrics across various dimensions, empowered the company to make swift and effective data-driven decisions.
- Through the implementation of advanced analytics and the delivery of meaningful insights, the ecommerce company experienced tangible business benefits, including enhanced operational efficiency, optimized inventory management strategies, and a notable improvement in overall sales performance.

Portfolio link: <https://umatuteja.github.io/>

SQL DATA CLEANING – Personal Project – Melbourne, VIC

December 2023

- Developed a comprehensive data cleaning process for the Nashville Housing dataset using SQL, aimed at enhancing data quality and usability. Applied SQL queries to standardize date formats, populate missing property addresses, and break down address details into individual columns.
- Implemented data accuracy measures, such as transforming fields, converting binary indicators ('Y' and 'N') to 'Yes' and 'No', removing duplicates, and eliminating unused columns. These efforts ensured the dataset's integrity, facilitating efficient data analysis and reporting for informed decision-making.

PYTHON PANDAS GROCERY SALES EDA – General Assembly Python Programming Course - online

December 2023

- Conducted Exploratory Data Analysis (EDA) as part of a Python Programming focusing on a grocery sales dataset.
- Leveraged Python libraries such as **Pandas**, **Matplotlib**, and **Seaborn** to extract actionable insights from the data, identifying patterns related to regional sales, sales representative performance, and product category trends.
- Employed advanced Python techniques, including **DataFrame** joining and meticulous data cleaning with null value handling strategies, to ensure data integrity and accuracy throughout the analysis process.
- Proposed insightful hypotheses and correlations based on the findings, which were effectively communicated through visualizations, ultimately enhancing decision-making capabilities for the grocery sales company.

TABLEAU DATA SCIENTIST SALARY DASHBOARD – Personal Project – Melbourne, VIC

November 2023

- Developed a dynamic Data Scientist Salary dashboard using Tableau. This dashboard provided comprehensive insights into salaries across various regions, offering valuable information for salary benchmarking and analysis.
- Incorporated data from the Excel file "ds_salaries.csv" to ensure the accuracy and completeness of salary information.
- By leveraging Tableau's visualization capabilities, the dashboard facilitated data-driven decision-making processes regarding salary management and talent acquisition strategies.

Work Experience

SENIOR SOFTWARE ENGINEER – Magna Infotech Pty Ltd – India, Gurgaon

August 2011 - November 2011

Magna Infotech Ltd. provides information technology services. I was working for the client UnitedHealth Group during my job tenure.

- Translated business requirements into technology specifications, documenting processes for clarity and consistency.
- Processed healthcare complex data from various sources, including claims and patients records, to create variables and develop statistical models, leveraging SQL for data manipulation and analysis.
- Conducted data cleansing and transformation for analytical reporting using SAS applications and SQL complex queries ensuring data accuracy and consistency in compliance with HIPAA regulations.
- Created insightful visualizations for complex data using SAS applications (PROC SGPLOT and PROC REPORT) and effectively communicated insights and findings to stakeholders.
- Enhanced interpersonal and communication through regular engagement with onshore clients and onsite peers, fostering effective collaboration and ensuring stakeholder alignment in healthcare data analysis and reporting.
- Developed automated SAS templates for efficient handling of ad hoc requests, resulting in a 20% increase in productivity and streamlining processes.

PROJECT LEAD – Syntel Pty Ltd – India, Chennai

August 2010 - February 2011

Syntel Ltd. provides information technology solutions across various industries, including banking, healthcare, manufacturing, retail, telecommunications, and insurance.

- Led a three-member team in implementing structured Waterfall methodology for SDLC-guided projects, focusing on data management, analytical reporting, and data visualization techniques, ensuring adherence to organizational policies throughout the project lifecycle.
- Conducted exploratory data analysis on large datasets to identify patterns and correlations and presented findings to senior management to support strategic planning and business initiatives.
- Collaborated with stakeholders to define project objectives, facilitating efficient planning and execution while prioritizing data privacy and confidentiality, particularly regarding patient data security in healthcare insurance projects.

- Provided guidance and technical support to team members on analytical reporting, data management, and data visualization techniques.
- Developed leadership skills by promoting collaboration within teams and effectively managing projects.

SOFTWARE ENGINEER – UnitedHealth Group – India, Gurgaon

September 2007 - June 2010

UnitedHealth Group is one of the largest American multinational health insurance and services company. The company is ranked 10th on the 2023 Fortune Global 500.

- Conducted data analysis, developed statistical models, insightful visualizations, generated analytical reports and managed complex healthcare data using SAS and SQL for US healthcare claims, member, and pharmacy data.
- Managed the entire project lifecycle for a national queue request overseeing customer interaction, analysis, development, testing, and delivery of analytical reports using SAS applications ensuring compliance with industry regulations.
- Developed, tested, reported, and maintained SAS programs (utilizing SAS, PROC SQL, PROC REPORT, and SAS macros) to meet business requirements and documentation guidelines, ensured data accuracy and integrity.
- Built and fostered strong client relationships through effective communication and collaboration.
- Recognized for outstanding performance in the timely delivery of the CI CAT project at UHG, receiving the Spot award for contributions to project excellence.
- Completed American Health Insurance Policy online training, obtaining the **AHIP certificate**, enhanced proficiency in healthcare industry regulations and standards.

BATCH ANALYST – Aon Hewitt Associates – India, Gurgaon

October 2005 - April 2007

Aon Hewitt is an American multinational company that provides human capital and management consulting services across the globe.

- Utilized SAS tools for analyzing, manipulating, transferring, and managing healthcare data, ensuring accuracy and confidentiality in handling sensitive information.
- Designed and developed programs/codes in a mainframe environment using SAS, ensuring adherence to internal programming standards to maintain data accuracy and integrity.
- Delivered comprehensive reports on healthcare utilization and outcomes for multiple states and clients, ensuring accuracy and relevance.
- Completed SAS internal training and TBA system 3x training within the organization, enhancing proficiency in SAS applications and data analysis techniques.
- Recognized for delivering high-quality work in the Benchmark project at Hewitt, received positive client feedback for excellence in data analysis and reporting while upholding data governance standards.

Education

- **DATA ANALYST IN POWER BI COURSE FROM** Datacamp February 2024
Major: Power BI functionalities, including data analysis and preparation, Power Query, DAX, data visualization, interactive dashboards , and paginated reports.
- **PYTHON PROGRAMMING CERTIFICATE**– General Assembly (Victoria Govt Digital Jobs Program) December 2023
Major: Python, Pandas, Seaborn, Matplotlib, NumPy, API, Flask.
- **GRADUATE CERTIFICATE IN DATA SCIENCE FUNDAMENTALS** – Latrobe University November 2023
Major: Python programming, Database/SQL/PLSQL, Mathematics, probability, and statistics for data science.
- **BACHELOR OF EDUCATION** – MD University –India July 2019
Major: Primary education
- **POSTGRADUATE CERTIFICATE COURSE IN INFORMATION TECHNOLOGY**– SCDL- India September 2009
Major: Information Technology
- **BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY**– Kurukshetra University- India August 2005
Major: Information Technology

Professional References

Available on request.