BABY INDRA NANDAGOPAL

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Summary

Pursuing the Data Science and Analytics certificate program at the Georgia Institute of Technology to acquire new, cutting-edge technical skills. Seasoned IT professional with 30 years of experience, performed various roles like sales operations lead, test program manager, project manager, and software engineer. Experienced with breaking down large data sources into key takeaways and insightful analytics. Utilizing previous experience within various sectors and newfound technical knowledge to approach new opportunities with a refreshed perspective.

Technical Skills

Languages: Python, Numpy, Pandas, Matplotlib, Visual Basic for Applications (VBA) Scripting, JavaScript
Databases: PostgreSQL, MongoDB, Sybase, Oracle, Ingres
Software/Tools: Tableau, Microsoft Office, Jupyter Notebook, Github, git, APIs

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Interpersonal and Project-Related Skills

Budget Management | Project Portfolio Management | QA Management | Business Operations Management | Teamwork & Leadership | Multilevel Collaboration | SCRUM and Agile Methodologies | Analytical Problem-Solving | Stakeholder Management Skills

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Projects

DataTheExplorer | https://github.com/IndraNandagopal/DataTheExplorer   Oct 2022
 - Built a web dashboard to display several facets of population data through intuitive visualizations.
 - Obtained data from the United Nations Population Dataset and data APIs
Tools: Python Flask–powered API, HTML/CSS, JavaScript, PostgreSQL database, Pandas, SciPy, NumPy, matplotlib, seaborn, Google Maps (gmaps), and Jupyter Notebook.

ETL (Extract, Transform, and Load) |
https://github.com/IndraNandagopal/ETL-World-Value-Survey-Data   Sep 2022
 - Extracted data from two data sources, transformed the data using Python, and then loaded the data into PostgreSQL database for future analysis.
 - Obtained data from Kaggle (the World Happiness Report), and World Value Survey Association (The World Value Surveys)
Tools: Jupyter Notebook, Python, and PostgreSQL

COVID-19 vs. YouTube | https://github.com/IndraNandagopal/Covid-19-vs.-YouTube   Aug 2022
 - Used the Python pandas library to analyze YouTube viewership trends during the second U.S. COVID-19 wave
 - Obtained data from Kaggle datasets and through the YouTube API
Tools: Jupyter Notebook, Python

Relevant Experience

Sales Operations Lead at Cognizant Technology Solutions Ltd.,   Newark, NJ **|** 2008 – 2020

Operations management for various healthcare portfolios with a top line of $250M+
- Continuously monitored and actively managed the profitability of critical projects in the portfolio and helped the portfolio meet and exceed the profitability targets
- Conceptualized and implemented several cost-saving strategies by diving deep into per-account metrics and data and identifying inefficiencies in the metrics/data, prioritized areas for development, recognized improvement actions, and focused on cause and corrective actions to reduce the cost.
- Closely worked with Business leaders, Client partners, and Account Managers within the Healthcare Business unit to facilitate recurring revenue forecasting-related discussions and decision-making.
- Performed extensive data analysis of data from each project in the portfolio to understand the nature of the expenses and identified mitigations to improve their utilization and hence boost their profitability.
- Published weekly metrics for the leaders to review and make informed data-driven decisions.

Additional Experience

Test program manager at JP Morgan Chase   Wilmington, DE **|** 2002 – 2008
- Managed a 35-member globally distributed team to build, test and deploy the core software services used in the credit card processing department of JP Morgan Chase
- Managed all the communications between the JP Morgan Chase team and the Cognizant technical team. Helped the Chase team build a prioritized road map for the Cognizant development and test teams. Managed the periodic status updates and status reviews from Cognizant teams to the Chase management.
- Successfully executed zero-defect monthly deployments of the TSYS product including the initial rollout and the next 12 months. Established development and testing processes for teams to follow and helped streamline the projects and enabled the teams to successfully deliver on time with zero defects.
- Played a crucial role in managing the quality process during the JP Morgan and Bank One merger with Chase.
- Worked with cross-functional teams across various departments - Marketing, Credit Card, Payments, and Fraud.

Education

Georgia Institute of Technology Data Science Certificate   June 2022 - present
- A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

Certified Professional Scrum Product Master I   Scrum.Org **|** April 2022

Certified Professional Scrum Master I   Scrum.Org **|** March 2022

Johns Hopkins University Crash Course in Data Science   Coursera **|** July 2021

Master's Degree in Computer Applications   Madras University **|** Tamil Nadu, India **|** 1987 - 1990
- Ranked fifth in the degree program

Bachelor's Degree in Mathematics   Madras University **|** Tamil Nadu, India **|** 1984 - 1987