BABY INDRA NANDAGOPAL

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Summary

Seasoned IT professional with extensive experience, performed various roles like business operations lead, test program manager, project manager, and software engineer. Recently completed the Data Science and Analytics certificate program at the Georgia Institute of Technology to acquire new, cutting-edge technical skills. 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, Visual Basic for Applications (VBA) Scripting, JavaScript, HTML, CSS
Libraries: pandas, NumPy, SciPy, PySpark, Matplotlib, scikit-learn, TensorFlow, Keras, d3.js
Databases: Relational Database Service (RDS), PostgreSQL, MongoDB, SQLite, Sybase, Oracle, Ingres
Software/Tools: Amazon Web Service (AWS), Google Colab Notebook**,** Tableau, Jupyter Notebook, Github, git

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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

Stock Price Prediction | https://github.com/IndraNandagopal/Stock_price_prediction   Nov 2022
- Created an interactive webpage where an investor can look up a prediction of future closing stock prices based on a ticker symbol.
- The stock price was predicted using Machine learning and deep learning models.
Tools: Linear Regression model, ARIMA model, Long Short Term Memory (LSTM) neural network, Google Colab Notebook, Python, pandas, NumPy, JavaScript, HTML/CSS, and Mongo database.

Big Data ETL | https://github.com/IndraNandagopal/big-data-ETL   Nov 2022
- Extracted, Transformed, and Loaded two of Amazon's available public datasets on product reviews.
- Performed the ETL process completely in the cloud and uploaded a DataFrame to an RDS instance.
Tools: Amazon Web Service (AWS), Relational Database Service (RDS), PostgreSQL, Google Colab, and PySpark.

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

Relevant Experience

Business Operations - Sr. Data Analyst at Cognizant Newark, NJ **|** 2008 – 2020

Operations management for four different healthcare portfolios with a top line of $250M+
- Continuously monitored and managed the profitability of critical projects in portfolios
- Drove portfolio profitability to meet and exceed targets
- Identified areas to reduce cost by performing extensive data analysis for each project in the portfolio; implemented several cost-saving strategies
- 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
- Published weekly dashboards for leaders to review and make data-driven decisions

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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
- Oversaw all communications between the JP Morgan Chase team and the Cognizant technical team
- Handled periodic status updates and reviews from Cognizant teams to the Chase management
- Successfully executed zero-defect monthly deployments of the TSYS application including the initial rollout and the next 12 months
- Established development and testing processes for teams to follow
- 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

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Education

DeepLearning.AI TensorFlow Developer Specialization Dec 2022 - Jan 2023
- Completed all 4 courses of the TensorFlow Developer Professional Certificate program

Georgia Institute of Technology Data Science Certificate June 2022 - Nov 2022
- 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
Master's Degree in Computer Applications Madras University **|** Tamil Nadu, India
- Ranked fifth in the degree program
Bachelor's Degree in Mathematics Madras University **|** Tamil Nadu, India