

# 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 be a well-rounded data scientist.

## 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, Google APIs, Weather APIs, UN population APIs.

## 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

## Projects

**DataTheExplorer** | <https://github.com/JLCessaty/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/askorb97/group8\\_Project2](https://github.com/askorb97/group8_Project2) 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/Ariwodo16/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+
  - Improved resource utilization by 6% and profitability by 4%
  - Worked with Business leaders, client partners, and account managers
  - Utilized Excel extensively on large financial datasets to provide the following analytics:
    - Revenue forecast consolidation and analysis
    - Utilization, unbilled, and profitability analysis
    - Weekly dashboard on operational parameters
    - WinZone pipeline opportunities analysis
    - Quarterly & yearly operational activities
    - Budget Planning & Consolidation
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## Additional Experience

### Test program manager at JP Morgan Chase

Wilmington, DE | 2002 – 2008

- Managed a team of 25 offshore resources and 10 onsite resources
  - Single point of contact between onshore and offshore teams for all communications related to project plans, schedules, resources, and any other non-routine issues.
  - Executed monthly releases after TSYS in-sourcing with **zero defects**.
  - Managed QA projects during JPMorgan and Bank One merger with Chase
  - Monitored overall program milestones and the execution of the program against established timelines, communicated dependencies across programs, and provided accurate & timely program status to Integration Leads and related stakeholders
  - Worked with cross-functional teams across various blocks - Marketing, Fraud, CSD, and CMS
  - Developed and managed detailed project plans (MS Project), budgets, schedules, development, and change management.
  - Monitored execution and review of test scripts and issues logged in the Quality Center.
  - Participated in Chase status meetings, Prioritization meetings, defect, and review meetings
  - Reviewed Test Strategy, Test Plan, Test scenarios, and Test scripts
  - Prepared Daily Test Status during Test Execution and Build phase of each project
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## 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

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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