VIGNESHWAR RAVI RAO

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Education

Indiana University Indianapolis   Indianapolis, USA
Master of Science, Applied Data Science   Expected *Aug 2026*
Coursework: Database Design, Statistics for Data Science, Data Science Programming

College of Engineering Guindy, Anna University   Chennai, India
Bachelor of Engineering, Mechanical Engineering: GPA: 7.88/10   *Apr 2020*
Coursework: Differential Calculus, Matrices, C programming

Technical Skills

Programming Languages: Python, MySQL, R, Excel VBA
Libraries: Numpy, Pandas, Matplotlib, Seaborn, Selenium, BeautifulSoup, Regex
Technologies: Snowflake, BigQuery, Tableau, Snowflake

Experience

Tata Consultancy Services Ltd.   Chennai, India
Data Analyst   *May 2021 - Jul 2024*
- Collected 15,000+ sales leads through web scraping using Python, cleaned the data and integrated it into the master customer database.
- Saved 3 weeks of manual work by developing a Python tool to streamline the integration of acquired customer data during a mergers and acquisitions process.
- Developed tools for quality checks and productivity improvement using Python and Excel VBA, automating repetitive tasks.
- Identified active and inactive customers by analyzing sales data with SQL in Snowflake, enabling targeted marketing strategies.
- Created training materials for end-users on new data tools and processes, improving team efficiency and reducing onboarding time.

BOM Analyst and Excel VBA Developer   *Oct 2020 - Apr 2021*
- Automated the extraction and consolidation of BOM data from multiple sources using Excel VBA, decreasing manual effort by 85% and saving $9,000.
- Developed custom macros for generating weekly reports, enhancing reporting speed and providing stakeholders with real-time insights.
- Collaborated closely with design engineers to clean and validate BOMs for two car models, ensuring accurate and error-free results.

Professional Certificate

Scaler Academy   Chennai, India
Data Science & Machine Learning   *Nov 2022 - Jun 2024*
Coursework: Probability & Statistics, Hypothesis Testing, Math for ML.
Projects
- Exploratory Data Analysis (EDA) using Python & its libraries - Github
- Data Analysis using SQL - Github

Awards

- **Best Team Award** - Recognized for outstanding contributions during mergers and acquisitions, and streamlining the customer data merging process.
- **On the Spot Award** - Awarded for improving team efficiency by developing automation tools for tasks such as data entry and quality checks.

Leadership / Extracurricular

Tata Consultancy Services Ltd.   Chennai, India
Instructor   *Nov 2023 - Dec 2023*
- Taught Python to trainees through training sessions for a period of 2 months.

National Service Scheme   Chennai, India
Volunteer & Organizer   *Sep 2016 - Jun 2019*
- Organized a one day medical camp for our college sanitary workers.
- Raised awareness on child education, cleaned community spaces and engaged in tree plantation activities by participating in a rural camp.