

VIGNESHWAR RAVI RAO

vravirao@iu.edu | [linkedin.com/in/vigneshwarravirao/](https://www.linkedin.com/in/vigneshwarravirao/) | github.com/Vigneshwarr3

Education

Indiana University Indianapolis

Master of Science, Applied Data Science

Coursework: Database Design, Statistics for Data Science, Data Science Programming

Indianapolis, IN

Aug 2024 - Present

College of Engineering Guindy, Anna University

Bachelor of Engineering, Mechanical Engineering: GPA: 7.88/10

Coursework: Differential Calculus, Matrices, C programming

Chennai, India

Aug 2016 - Apr 2020

Technical Skills

Programming Languages: Python, MySQL, Excel VBA

Libraries: Numpy, Pandas, Matplotlib, Seaborn, Selenium, BeautifulSoup, Regex

Technologies: Snowflake, BigQuery, Tableau, Snowflake

Projects

Netflix Exploratory Data Analysis (EDA)

Aug 2023

- Conducted EDA and found actionable insights to enhance user engagement and boost traction on the platform.

Target Data Analysis - SQL

Jun 2023

- Analyzed Target's sales data using SQL in Big Query and found actionable insights and recommendations.

Experience

Tata Consultancy Services Ltd.

Chennai, India

Data Analyst

May 2021 - Jul 2024

- Collected 15K+ sales leads by web scraping using Python, Selenium and BeautifulSoup.
- Saved \$3,500 by developing a Python algorithm with Regex, Pandas, and FuzzyWuzzy to match master and newly scraped customer details.
- Developed tools for quality checks and productivity using Python and Excel VBA to automate repetitive tasks.
- Identified active and inactive customers by analyzing sales data using SQL in Snowflake, enabling targeted marketing strategies and improving customer retention rates.
- 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.
- Created custom macros for generating weekly reports, which enhanced reporting speed and provided stakeholders with real-time insights.
- Cleaned and validated BOMs for two car models by collaborating closely with design engineers, delivering accurate and error-free results.

Professional Certificate

Scaler Academy

Chennai, India

Data Science & Machine Learning

Nov 2022 - Jun 2024

Coursework: Python, OOPS, Data Structures & Algorithms, Numpy, Pandas, Matplotlib, Seaborn, Databases, Data Visualization, Probability & Statistics, Hypothesis Testing, Product Analytics.

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.
- Participated in a 10-day rural camp, raising awareness on child education, and contributed to the community through cleaning, maintaining the local public school and temple, and engaging in tree plantation activities.