

# Vikram Parasuram S

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## Professional Summary

Motivated and detail-oriented Data Analyst with a strong foundation in data analytics, statistical analysis, and data visualization. Proficient in SQL, Python, Excel, and visualization tools like Tableau and Power BI. Skilled in cleaning, organizing, and interpreting data to generate actionable insights. Strong analytical mindset with a passion for solving complex problems and making data-driven decisions. Adept at working with large datasets and presenting findings in a clear and concise manner. Eager to apply knowledge and technical skills to real-world business challenges and contribute to data-driven decision-making.

## Work Experience

- **Process Associate – Optum** Sep 2023 - Present  
We work on the medical records retrieval process, and I have been part of the database management team where we collect, build and validate Database
- Assisted in streamlining the medical records retrieval process to enhance efficiency and accuracy
- Conducted thorough quality checks on collected data to maintain the integrity and reliability of medical records

## Education

- ❖ **Bachelor of Commerce – Accounting & Finance** 2020 - 2023  
Prince Shri Venkateshwara Arts and Science College

## Course

- ❖ **Data Analytics – Pumo Technovations**
  - Understanding the fundamentals of data analysis and its applications.
  - Expertise data cleaning, transformation, and preprocessing techniques.
  - Learnt to Use statistical methods to interpret and analyse data effectively.
  - I worked with SQL databases to retrieve and manipulate datasets.
  - Performed exploratory data analysis (EDA) using Python (Pandas, NumPy, Matplotlib, Seaborn).
  - Built interactive dashboards and reports using Tableau or Power BI.
  - Developed critical thinking and problem-solving skills through real-world projects.

## Certifications & Training

- ❖ **SQL for Data Science and Analytics**
  - Completed SQL for Data Science and Analytics course focusing on query optimization and database management.
- ❖ **Microsoft Excel**
  - Automation of repetitive tasks using macros and VBA & Data cleaning and transformation using Excel functions

## Skills

- Data Analysis & Interpretation
- SQL & Database Management
- Python (Pandas, NumPy, Matplotlib)
- Data Visualization (Tableau, Power BI)
- Statistical Modelling & Hypothesis Testing

## Projects

- ❖ **Python**
  - PDF Encryption Large Files Using Python:

### Project Description:

This project focuses on developing a **secure and efficient PDF encryption tool** using Python, designed to handle **large PDF files** without performance issues. The tool ensures **data confidentiality and access control** by encrypting PDF documents with strong passwords and encryption algorithms.

### Technologies Used:

- **Python Libraries:** PyPDF2, pikepdf, PyMuPDF (fitz)
- **Security & Encryption:** Cryptography library for AES encryption
- **File Handling:** OS, shutil for file operations

- ❖ **Microsoft Excel**

- Production Tracker:

### Project Description:

This project is a **voluntary work** for my current organization which helps my manager to track daily production of users. It is a summary of how many counts that an individual contributor did and It helped me to create an **insights and visual presentation** which reflects the performance done by the deployed users which helped my manager for the year end appraisal review.

### Technologies Used:

- ❖ **Advanced Excel Formulas – VSTACK, COUNTIFS, INDIRECT**
- ❖ **VBA & Macros – To Automate Worksheets**

## Personal Details

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