ATCHAYA V

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## <https://github.com/Atchaya-V1>

## TABLEAU CLOUD: https://prod-apnortheast-a.online.tableau.com/#/site/vatchayavenkat-2d1330764e/workbooks/2748938/views

## SUMMARY

* + As a dedicated fresher with strong educational foundation in computer science, and a highly motivated and detail oriented **fresher python** with a passion for developing innovative solutions.
  + **Possessing Analytical ,programming** and collaboration skills with a passion for utilizing data to solve complex problems
  + Contribute to **open source python projects** and stay updated with the latest language features and industry trends.

## SKILLS

**SQL** (SQL SERVER ,MYSQL ,POSTGRESQL) **EXCEL**(VLOOKUP,CONDITIONAL

**PYTHON**( numpy ,scipy, matplotlib ,pandas) FORMATTING,PIVOT TABLE)

**Pyspark C,C++**

**Tableau GITHUB**

**HTML,CSS**

**Microsoft POWERBI EXPERIENCE**

**IEXEMPLAR SOFTWARE INDIA PVT.LTD ||** *internship jun2022-jul2022*

## DOMAIN : JAVA

* + Collaborated with a team of **developers to design, develop, and deploy Java-based web and desktop applications.**
  + Wrote clean, efficient, and well-documented Java code for application features, ensuring adherence to **object-oriented programming (OOP) principles**.

**PROJECTS**

## TWO WAY SIGN LANGUAGE CONVENTITION FOR SPEECH IMPAIRED DOMAIN : INTERNET OF THINGS

Proposed a system that enables a two way conversation between the speech impaired and other vocal individuals .System consist of wearable device equipped with **sensors to detect hand gestures** corresponding to sign language.

* **UNVEILING NETFLIX TRENDS**

**TOOLS: TABLEAU**

This project focuses on **analyzing Netflix's extensive dataset** to uncover insights and trends related to its content, user engagement, and global reach.

Objectives used were **content analysis,time based trends , performance metrices ,subscripption and viewership patterns.**

## ANALYZING COVID-19 MORTALITY RATE DOMAIN: SQL

Designed and implemented a relational database to store and **analyze COVID-19 death statistics**.

Imported and cleaned large datasets using SQL for accuracy and completeness.

Performed complex queries to identify trends, such as **mortality rates across regions, age groups, and comorbidities.**Generated visual insights by **integrating SQL results with data visual**

## NASHVILLE HOUSING DATA FOR DATA CLEANING

## DOMAIN: SQL

processed and cleaned large-scale housing **datasets to ensure data quality and consistency**.

Identified and resolved issues such **as missing values, duplicates, and outliers** using SQL techniques.

Designed and executed **SQL queries to filter, normalize, and transform raw data**

## AMAZON WEB SCRAPPING USING PYTHON DOMAIN: PYTHON ,BEAUTIFUL SOUP , JSON.

Scraped data for 10,000+ products across multiple categories, enabling detailed price comparison and trend analysis.

Reduced manual data collection efforts by 80%.

Delivered actionable insights to improve pricing strategies and inventory management**.**

## SNAKE GAME APP

**DOMAIN: python**

Designed and developed a classic Snake game using Python and the **Pygame library**. Implemented game logic, including collision detection, score tracking and dynamic difficulty adjustments.

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# CERTIFICATION

* **IBM Certified -**PYTHON IN DATASCIENCE
* **IBM Certified -** SQL AND RDBMS
* **MICROSOFT Certified-** INTRODUCTION TO END TO END ANALYTICS USING MICROSOFT FABRICS
* **INFOSYS Certified** -BASICS IN PYTHON
* **INFOSYS Certified-** MASTERS IN PYTHON
* **UDEMY Certified -**C PROGRAMMING LANGUAGE
* **NPTEL**- PROGRAMMING IN JAVA
* **NPTEL** -RESEARCH METHODOLOGY
* **NPTEL** -FUNDAMENTALS OF AI
* **GREAT LEARNING ACADEMY -**UI\UX FOR BEGINNERS

## EDUCATION

**Master Of Computer application (MCA)** *sep 2023 -may 2025*

Hindusthan college of engineering and technology **GPA- 8.2**

**Bachelour of Computer Science** *jun 2023*

Periyar university **GPA-8.5**

**Bethel matric Hr .Sec. School** *2019***-***2020*

HSC

**Sri Vivekanandha matric Hr. Sec .School** *2017***-***2018*

SSLC

# PUBLICATION

Atchaya,v(2024)”**The Role of AI in marketing personalization**”. journal of AI/ ISBN 978-81- 971599-0-9.