

# HARSHA VARDHAN YEMPALLY

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## OBJECTIVE

Aspiring IT professional with a strong foundation in Data Science, Cloud Computing (GCP Certified), and Software Development. Passionate about leveraging analytical and technical skills to drive innovation and efficiency in product-based companies.

## EDUCATION

### TKR College of Engineering and Technology

Bachelor of Technology in Information Technology – CGPA: 8.23

Hyderabad, Telangana

Nov. 2021 – June 2025

### Sri Chaitanya Junior College

Intermediate (MPC) – Marks: 940/1000

Hyderabad, Telangana

June 2019 – March 2021

### St. Mary's PSM High School

SSC – CGPA: 9.0

Sadashivpet, Telangana

June 2012 – April 2019

## EXPERIENCE

### Data Engineer Intern

Kasmo Digital

May 2025 – Present

Hyderabad, Telangana

- Built and maintained end-to-end ETL pipelines using Python, SQL, and Pandas to extract data from SQL Server, transform it, and load into MySQL.
- Implemented Slowly Changing Dimensions (SCD) Types 1, 2, 3, 4, and 6 to handle current and historical data.
- Created dynamic history tables and automated change tracking using SQL and Python.
- Wrote optimized SQL queries using joins, CTEs, subqueries, and window functions.
- Used SQLAlchemy for multi-database connections and configuration-driven execution.
- Developed and optimized advanced SQL queries using CTEs, window functions, pivoting, and dynamic SQL to support complex data transformations.

## PROJECTS

### Groundwater Level Predictor | Python, Pandas, Scikit-Learn, Matplotlib

- Developed a predictive model to forecast groundwater levels using machine learning.
- Aimed to assist agricultural planning and water resource management.

### Image Similarity Detection System | Python, Image Processing, Euclidean Distance

- Built an application to detect and retrieve similar images from a dataset.
- Applied optimized algorithms for enhanced accuracy and comparison.

## CERTIFICATIONS

Python for Data Science | NPTEL

Java Programming | NPTEL

Google Cloud Computing Foundations | NPTEL

Data Science & Analytics Internship | CoderOne

## TECHNICAL SKILLS

**Programming & Query Languages:** Python, SQL, Java, C/C++, JavaScript, HTML, CSS

**Frameworks, Libraries & Platforms:** React, Node.js, Pandas, SQLAlchemy, Google Cloud Platform (GCP), Snowflake

**Tools & IDEs:** Git, VS Code, PyCharm, IntelliJ IDEA, Eclipse, Visual Studio, Jupyter Notebook, ConfigParser