

# HARSHA VINJAMURI

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## OBJECTIVE

I desire to be successful and evolve professionally in a positive, success-oriented environment where I can use my skills and abilities to their maximum.

## EDUCATION

### **B.Tech (CSE-AIML) - 8.86/10**

Kalasalingam Academy of Research and Education – Krishnankoil, TN | Oct 2021 – May 2025

### **HSC( MPC) - 965/1000**

Sasi New Gen Junior College – Velivenu, AP | April 2019 – March 2021

### **SSC (10th class) - 9.8/10**

Z.P.High School – Vadisaleru, AP | June 2018 – April 2019

## TECHNICAL SKILLS

### **Programming & Scripting**

- Python, SQL, HTML, CSS, JavaScript, Bootstrap

### **Data Analysis & Statistics**

- Exploratory Data Analysis (EDA): Statistical Methods, Hypothesis Testing, Outlier Detection, Feature Engineering
- Libraries: NumPy, Pandas, Matplotlib, Seaborn

### **Machine Learning & AI**

- Algorithms: Classification, Regression, Clustering
- Frameworks & Tools: Scikit-learn, XGBoost, LightGBM, CatBoost
- Large Language Models (LLMs): Hugging Face Transformers, Llama 3, Gemini, Ollama

### **Natural Language Processing (NLP)**

- Libraries: NLTK, SpaCy, Gensim
- Techniques: Tokenization, Lemmatization, Stemming, Stopwords Removal, POS Tagging, Named Entity Recognition (NER), Sentiment Analysis, TF-IDF, Word2Vec, BERT, WordCloud

### **Computer Vision**

- OpenCV, MediaPipe, Pillow (PIL)

### **Big Data & Cloud Platforms**

- Hadoop, Spark, Databricks, Hive
- AWS: S3, EC2

### **Frameworks & Deployment**

- Flask, Streamlit, Gradio, Huggingface

### **Developer Tools**

- Git, GitHub, Jupyter Notebook, PyCharm, VS Code, Spyder, Google Colab, SQLite, MySQL, DBBeaver

### **Design & Productivity Tools**

- Figma, Framer, Cursor AI, Napkin AI, NotebookLM, Nano Banana.

## EXPERIENCE

### **Launchpad Trainee | PwC (PricewaterhouseCoopers) | Feb 2024 – May 2024**

- Completed an intensive professional training program focused on Python programming, SQL, pseudocode development, and data engineering fundamentals.
- Gained hands-on experience in data manipulation, database querying, and workflow automation through practical exercises and projects.
- Earned industry-recognized certifications to strengthen technical proficiency and employability in data-driven roles.
- Collaborated in structured modules designed to simulate real-world business and data engineering scenarios, enhancing analytical and problem-solving skills.

### **Data Analyst & Visualization Associate Intern | Excelerate | Dec 2024 – Jan 2025**

- Completed an intensive Data Analyst & Visualization program, demonstrating proficiency in data cleaning, manipulation, visualization, and statistical analysis.
- Developed interactive dashboards and reports to transform raw datasets into actionable business insights.
- Collaborated with an international cohort, enhancing cross-cultural teamwork and communication skills.
- Recognized with a \$500 scholarship/bonus for outstanding performance, allocated toward further education and skill development.
- Gained hands-on experience in real-world data projects, applying analytical thinking and problem-solving in dynamic environments.

## PROJECTS

### **Nutrition Diet Recommendation Web Application**

- Developed a Flask-based web application to provide personalized nutrition guidance tailored to user health conditions and nutritional deficiencies.
- Integrated BMI calculation and health analytics using ML algorithms to generate data-driven dietary recommendations.
- Deployed the application on Render, ensuring scalable and accessible web-based delivery for end users.
- Implemented a modular architecture supporting seamless integration of new health metrics and recommendation logic.

- Focused on user-centric design, performance optimization, and maintainable codebase for enterprise-ready deployment.

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### **EDA with LLM Integration**

- Developed an interactive Exploratory Data Analysis (EDA) tool enhanced with Large Language Model (LLM) integration for automated data insights.
- Leveraged Hugging Face Spaces for deployment, enabling seamless web-based access and user interaction.
- Integrated LLM capabilities to provide natural language explanations, summaries, and actionable insights from datasets.
- Implemented a scalable pipeline to process and analyze datasets efficiently, combining Python-based EDA libraries with advanced NLP techniques.
- Optimized model inference and user experience for real-time exploratory analytics.

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### **Web-Based Image Editing Platform**

- Developed and deployed a full-stack web application for interactive image editing with a user-friendly interface.
- Implemented real-time image processing features including filters, cropping, resizing, and color adjustments using Python libraries.
- Utilized Streamlit for cloud deployment, providing scalable, browser-based access for end users.
- Designed a modular architecture to ensure maintainability and easy addition of new image processing functionalities.
- Optimized for performance and responsiveness, delivering a seamless experience across devices.

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### **Smart NLP Processing Application**

- Developed a Streamlit-based web application for comprehensive text processing and natural language analysis.
- Implemented features including tokenization, stemming, lemmatization, POS tagging, n-grams, Bag-of-Words, TF-IDF, dependency parsing, Named Entity Recognition (NER), sentiment analysis, and data visualizations such as WordClouds and frequency plots.
- Integrated NLTK, SpaCy, and other Python NLP libraries for scalable and modular text analytics.
- Enabled multiple input sources (text paste, .txt/.csv upload) with downloadable processed outputs for end-user accessibility.
- Designed for user-friendly interaction, real-time processing, and maintainable architecture, suitable for research and enterprise applications.

## **CERTIFICATIONS & ACHIEVEMENTS**

- Python, Problem Solving & SQL Certifications by HackerRank.
- 4★ in SQL, 3 ★ in Python, 3 ★ in Problem solving by HackerRank.
- Earned Silver Badge in Codechef as Problem Solver.
- Achieved 3<sup>rd</sup> Prize in 16-hour Hackathon in **IIT BOMBAY** held on 15-10- 2023.
- Honored 3<sup>rd</sup> prize for showcasing Artificial Intelligence importance on **IBM ICE DAY** in 2022.

## **LANGUAGES**

- English (Good)
- Telugu (Native)
- Tamil (Basic)

## **HOBBIES**

- Photography
- Photo and Video Editing
- Playing Badminton.

## **PUBLICATION**

Intelli-Fusion: An Integrated Multi-Lingual Assistive Platform with Advanced Features for Community and Hemi-Plegic People (ICISPES- 2024)

✓ **"I confirm that the above details are true and accurate to the best of my understanding and belief."**

**VINJAMURI HARSHA**