Pagidala Venugopal Reddy

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SKILLS

- **Languages**:   C++, Python, Power BI, Kotlin
- **Frameworks**:   HTML and CSS
- **Tools/Platforms**:   MySQL, Android Studio, JupyterNotebook, VS code, Power BI
- **Soft Skills**:   Team Player, Project Management, Adaptability

INTERNSHIP

Data Science Internship- InternsElite   September 2024 – November 2024

- Learned and applied data cleaning techniques, including handling missing values, outlier detection, and data type correction using Python (Pandas, NumPy).
- Performed Exploratory Data Analysis (EDA) on real-world datasets such as **smartphone pricing and sales data** to identify trends, correlations, and key business insights.
- Analyzed customer and product behavior through visualizations and statistical summaries, translating raw data into actionable insights for decision-making.

PROJECTS

Student Attendance System   April 2025

- Designed and developed a Student Attendance System to efficiently manage attendance, provide statistical reports, and simplify record maintenance through a web-based interface.
- Implemented a hybrid architecture using C++ for high-performance core logic and data processing, integrated with a Python (Flask) backend API; frontend built with HTML, CSS, and JavaScript; data stored in JSON format.
- Delivered a functional web application enabling real-time attendance marking and automated reporting, improving accuracy, performance, and usability of attendance management.

AI Fact Generator   November 2024

- Built an AI-powered information system to deliver user-requested facts based on selected topics, number of facts, and preferred language (English, Telugu, or Hindi).
- Developed a Python (Flask) backend for API handling, user authentication, and request routing; integrated the Gemini 1.5 Flash API for AI responses; frontend implemented using HTML and JavaScript.
- Successfully delivered a multilingual web application that processes user inputs in real time and displays accurate AI-generated results through a simple, responsive interface.

Analyzing Smartphone Trends in the Indian Market   September 2024

- Conducted comprehensive data analysis to understand pricing patterns and brand-based differences in the smartphone market using structured datasets.
- Performed data cleaning and Exploratory Data Analysis (EDA) on Price, RAM, Storage, and Ratings using Python, Pandas, and NumPy; applied data visualization techniques and statistical testing (Z-Test).
- Identified a positive correlation between higher RAM/Storage and increased pricing, and statistically validated the premium pricing strategies of brands such as Apple and Samsung through hypothesis testing.

CERTIFICATES AND CERTIFICATIONS

- ChatGPT-4 Prompt Engineering by Infosys LINK   August 2025
- Cloud Computing by NPTEL LINK   April 2025
- Computer Communication by Coursera LINK   December 2024
- Introduction to Hardware and Operating Systems by Coursera LINK   September 2024

EDUCATION

Lovely Professional University   Phagwara, Punjab
*Bachelor of Technology - Computer Science and Engineering; **CGPA: 5.0***   August 2023 - Present

Sri Chaitanya Junior College   Vijayawada, Andhra Pradesh
*Intermediate; **Percentage: 73%***   June 2022 - March 2023

Sri Chaitanya E.M High School   Nandyal, Andhra Pradesh
*SSC Examination; **Percentage: 98%***   April 2020 - March 2021