

# Pavani Tanmaya Sri Kancharla

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## PROFILE SUMMARY

Motivated and Data Science and Software Development fresher with strong skills in **Python, Java, SQL, and Machine Learning**. Experienced in building scalable applications, analyzing datasets, and implementing AI-driven solutions. Adept at problem-solving with proven teamwork, adaptability, and communication skills. Seeking an entry-level role to contribute to innovative projects in software engineering or data science.

## EDUCATION

### Master of Computer Applications (MCA)

Siddhartha Academy of Higher Education, Vijayawada | 2024-2026 | CGPA: 9.01

### Bachelor's of Science in Data Science

SDM Siddhartha Mahila Kalasala, Vijayawada | 2021 - 2024 | CGPA: 8.86

## TECHNICAL SKILLS

- Programming Language:** Python, Java, MySQL, HTML
- Frameworks & Libraries:** Flask, Django, Scikit-learn (Linear Regression, Decision Tree)
- Data Science Tools:** Pandas, Numpy, Matplotlib, Jupyter Notebook
- Soft Skills:** Adaptability, Problem-Solving, Team Collaboration, Communication

## INTERNSHIP & ACADEMIC EXPERIENCE

### Efficient G-Cloud Framework for Government Health Care Services | May-June 2023

- Designed and implemented a cloud-based framework for real-time healthcare data management.
- Reduced service delivery delays by over 3 hours per day, impacting 1000+ patient records weekly.
- Streamlined reporting processes, cutting manual effort by 40%.

### Soil Moisture Retrieval Using Ground Water Datasets | Sept-Dec 2023

- Developed Linear Regression and Decision Tree models for soil moisture prediction.
- Improved prediction accuracy by 30% compared to existing methods.
- Optimized dataset of 10,000+ entries, reducing preprocessing time by 25%.

## PROJECTS

### Market Segment Analysis of Electric Vehicles

- Analyzed policy incentives and consumer preferences across 500+ survey responses.
- Identified adoption drivers contributing to a projected 5% rise in subsidy program participation.
- Delivered insights that could guide local policy improvements for 1,000+ EV users.

## CERTIFICATIONS

- Oracle Certified Professional – Generative AI
- STEP Certification – The Hindu Group (Score: 8.0)

## ACHIEVEMENTS

- ATSO Olympiad – Silver Medal