

Sarella Venkat

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Linkedin — Github

Career Objective

Motivated and enthusiastic B.Tech 3rd-year student in Computer Science & Engineering (AIML) at St. Peter's Engineering College, Hyderabad, with a Diploma in Mechanical Engineering. Seeking opportunities to apply and enhance my skills in AI/ML, software development, and problem-solving through internships and projects. Eager to contribute to innovative technologies and real-world applications.

Education

Bachelor of Technology (B.Tech) – Computer Science and Engineering (Artificial Intelligence & Machine Learning)

St. Peter's Engineering College, Hyderabad

2024 – Present

CGPA: 7.25 / 10

Diploma in Mechanical Engineering

Government Polytechnic College, Medchal

2021 – 2024

GPA: 8.35 / 10

Secondary School Certificate (SSC)

Tagore's High School, Quthbullapur, Hyderabad

2021

GPA: 9.0 / 10

Apprenticeship

Quality Apprentice – ROCKWELL, Medchal

Refrigerator Manufacturing Company

Duration: 6 Months

- Worked in the Quality Section, assisting in inspection and testing of parts and final products.
- Gained hands-on experience with industrial quality control procedures.

Technical Skills

Programming Languages: Python, C, Java (Basics), SQL

AI/ML Tools: Pandas, NumPy, Scikit-learn, Matplotlib

Tools & Platforms: GitHub, Jupyter Notebook, IDLE, VS Code, AutoCAD

Operating Systems: Windows, Linux (Basics)

Academic Project

AI-Based Smart Water Quality Detection System

- Used pH, TDS, and Turbidity sensor data with a Decision Tree model to classify water as Safe/Unsafe.
- Targeted for rural and coastal areas lacking lab access (aligned with SDG Goal 6).
- Technologies: Python, Machine Learning.

Certifications

- AI Tools Workshop – be10x, July 2025
- Python for Data Analysis: Pandas & NumPy – Coursera Project Network

- Data Analysis with Python – IBM via Coursera
- Gender Equality – University of Western Australia via Coursera
- Python Data Visualization – Rice University via Coursera
- Data Visualization with Python & R for Engineers – Northeastern University via Coursera
- Introduction to Sustainability – University of Illinois Urbana-Champaign via Coursera
- GenAI for Everyone – Coursera, 2025
- Introduction to python - Infosys

Certificate proofs are available in the following folder: Certificates

Strengths

- Quick learner and adaptable
- Strong problem-solving and analytical skills
- Detail-oriented and quality-focused
- Willingness to learn new technologies
- Good communication and teamwork

Hobbies & Interests

- Playing guitar (Church music – Telugu & English)
- Reading tech blogs and exploring AI innovations
- Volunteering and community service