**SUHITHA VEDICHARLA**

**DATA SCIENCE**

+9[1-7993306386|✉suhithavedicharla38@gmail.com|linkedin.com/in/vedicharla-suhitha38|](mailto:+91-7993306386|suhithavedicharla38@gmail.com|linkedin.com/in/vedicharla-suhitha38|Kalivelapalem)Nellore-524001.

**OBJECTIVE**

Motivated b.tech graduate (2025) with strong analytical and problem-solving skills. Seeking opportunities to apply my technical knowledge in software development and contribute to innovative projects. Passionate about learning new technologies and working in a collaborative environment that fosters professional growth and creativity.

**EDUCATION**

Sri Padmavati mahila visvavidyalayam, Tirupati Dec2021-Apr2025

Bachelor’s Degree (Electrical and Electronics Engineering) 8.05/10 Sri Chaitanya Junior College, Nellore Jun2019-Apr2021

Intermediate (Mathematics, Physics, and Chemistry) 900/1000

V.B.R E.M School, Nellore Jun2018-Mar2019

SSC 9.5/10

**SKILLS**

* **Programming Languages -**Python, Java, C++, JavaScript
* **Web Technologies-** HTML5, CSS3, Bootstrap, Angular
* **Databases-** MySQL, SQLite, MongoDB
* **Tools & Technologies-** Git, VS Code, Eclipse, Postman
* **Soft Skills-** Analytical Thinking, Teamwork, Communication, Learning Ability

**ROLES AND RESPONSIBILITIES**

- Assisted in software development and testing activities under supervision

- Participated in team meetings and contributed to project discussions

- Helped maintain code documentation and version control systems

- Supported quality assurance processes and bug tracking

- Collaborated with team members to understand project requirements

- Assisted in user interface design and user experience improvements

**PROJECT**

1. AI-Powered Language Learning Assistant (Gen AI Project)

**Title: Intelligent Language Learning and Practice Platform**

**Description:**

Developed an AI-powered language learning assistant that helps users learn new languages through interactive conversations and exercises. The system uses naturallanguage processing to understand user responses and provide personalized feedback. Implemented speech recognitionand pronunciationassessment features, achieving 88% accuracy in language assessment and helping users improve their language skills effectively.

**Skills Used**: Python, Natural Language Processing, Speech Recognition, TensorFlow, Flask, React.js

**Roles and Responsibilities**:

- Implemented speech recognition for pronunciation assessment

- Developed natural language understanding for conversation practice

- Created personalized learning algorithms based on user progress

- Built RESTful APIs for language learning exercises and feedback

- Designed intuitive web interface for language practice sessions

- Implemented progress tracking and performance analyticsfeatures

**2. Crop Yield Prediction System (ML Project)**

**Title: Agricultural Yield Prediction and Optimization Platform**

**Description:**

Built a machine learning system to predict crop yields based on environmental factors, soil conditions, and historical data. The project analyses weather patterns, soil quality, and farming practices to forecast agricultural output. Implemented ensemble learning techniques to achieve 87% accuracy in yield prediction, helping farmers optimize crop planning and resource allocation.

**Skills Used:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, SQL, Jupyter Notebook

**Roles and Responsibilities:**

- Collected and processed agricultural data from multiple sources

- Implemented feature engineering for crop and environmental analysis

- Developed multiple ML models including Random Forest and Neural Networks

- Created data visualization tools for agricultural trend analysis

- Built real-time prediction API for farming applications

- Designed comprehensive dashboard for agricultural analytics and reporting

**DECLARATION:**

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

Date:

Place: **VEDICHARLA SUHITHA**