

# P. V. Durga Vamsi

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## OBJECTIVE

Passionate and detail-oriented Computer Science undergraduate with strong foundations in web development, programming, and cloud technologies. Seeking an opportunity to apply technical skills in real-world projects, contribute to innovative solutions, and grow as a software developer.

## EDUCATION

- **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology**,  
B.Tech in Computer Science CGPA: 8.5 *2022–2026*
- **Sri Chaitanya Junior College**, Vijayawada *2020–2022*  
Board of Intermediate Education CGPA: 7.9
- **Sri Chaitanya School**, Tirupati *2019–2020*  
Andhra Pradesh Board of Secondary Education CGPA: 9.6

## TECHNICAL SKILLS

**Programming Languages:** C (C2C Certified), Java, Python, JavaScript, SQL

**Web Technologies:** HTML, CSS, React (Basic)

**Tools & Platforms:** Git, GitHub Pages, Linux, Arduino Cloud

**Technologies & Concepts:** Cloud Computing (AWS Certified), Prompt Engineering

**Familiar With:** Machine Learning, Neural Networks, Natural Language Processing, Vibe Coding

## CERTIFICATIONS

- **AWS Certified Cloud Practitioner (CLF-C02)** – Amazon Web Services *Jan 2024*
- **CCNA: Introduction to Networks** – Cisco Networking Academy *Apr 2024*
- **Automation Explorer** – UiPath Academy *Apr 2024*

## PROJECTS

- **Form Generator** – Vel Tech University  
Designed and deployed a custom web tool to automate the creation of student project review forms, eliminating manual process. Used JSPDF to generate output in the exact university format. Reduced form preparation time by over 80%  
**Tech Stack:** JavaScript, JSPDF, React, HTML, CSS **Live Demo:** Form2PDF
- **IoT-Based Smart Water Management System (Under NISAN)**  
Engineered an IoT solution to monitor and redirect RO-rejected water Integrated pH and TDS sensors with Arduino Cloud to collect and visualize water quality in real time. Automated decision making allows for the reuse or disposal of water, reducing waste by up to 60% .  
**Tech Stack:** C, Arduino, IoT Sensors, Cloud Technologies **GitHub**
- **Speech Emotion Optimization using Wav2Vec**  
Developed a speech emotion recognition model using Wav2Vec and PyTorch. Fine-tuned on audio datasets to enhance emotional tone classification.  
**Tech Stack:** Python, Wav2Vec, PyTorch, Librosa, Machine Learning

## POSITIONS OF RESPONSIBILITY

- **Cultural Leadership** - Served as the representative of the Arts and Drama Club, leading the student acting team and managing stage performances. Secured 2<sup>nd</sup> awards in a national competition and received the **VelTech Rathna Award** for excellence in leadership and communication.
- **Technical Engagemen**Actively participated in online bootcamps, ideathons and workshops focused on cloud, NLP and AI. Successfully coordinated and hosted university events including **LAVAZA 2k24** and **2k25** showcasing leadership, work under pressure and communication skills