

BURGULA PRAHARSHA

Ph no: 9505842561

Gender: Female

Email ID: burgulapraharsha514@gmail.com

Address: Shadnagar, Hyderabad

ACADEMIC DETAILS

Year	Degree	Institute	Percentage/CGPA
2022-Present	Bachelor of Technology	Vardhaman College of Engineering Shamshabad, Hyderabad	CGPA = 8.9/10
2022	Class XII BIE-TS	Pranava Academy Bhongiri, Yadadri	92.3%
2020	Class X SSC-REGULAR	Sri Satya Sai High School Shadnagar, Hyderabad	CGPA= 10/10

OBJECTIVES

To pursue graduate studies in a Bachelor of Technology to undertake a career in a renowned firm with dedication efforts and to associate with an organization that gives me a chance to update my knowledge.

CERTIFICATIONS

- Python Certification from HackerRank.
- Certificate in Web Development Basics from IBM SkillsBuild.
- Certificate of completion for the Introduction to IoT and Digital Transformation from Cisco.
- Power BI Essentials and Cloud Computing Bootcamp Certification from YHills.
- Certificate in Data Structures in C & Java Programming from Great Learning Academy.
- Participation certificate in the program “AI For All” issued by Ministry of Education, Government of India.
- Python 101 for Data Science, Data Analysis and Visualization with Python Certification by IBM SkillsBuild.

CONFERENCES/WORKSHOPS ATTENDED

- Engaged in the IEEE CAS Event.
- Attended a 3-day workshop on Edge AI Technology.
- Participated in the IEEE Event-Signal Processing Society at JNTUH.

EXTRA-CURRICULAR ACTIVITIES

- Member of the IEEE.
- Took on a volunteer role in IEEE event.
- Member of dance club at school.

TECHNICAL SKILLS

1. **C Programming:** Proficient
2. **Python:** Skilled
3. **Data Structures & Java:** Basic understanding, actively improving

INTER PERSONAL SKILLS

- Good Communication | Teamwork | Adaptability | Problem Solving | Empathy

LANGUAGES KNOWN

- Telugu | English | Hindi

ACADEMIC ACCOMPLISHMENTS

- Major degree in Electronics & Communication Engineering (ONGOING)
- Minor degree in Artificial Intelligence & Machine Learning (ONGOING)

PROJECTS

1. Automated sensor based Solar Solid Fertilizer Dispenser for various crops

- **Objective:** To enhance efficiency and sustainability by using renewable energy for the solar fertilizer dispenser.
- **Outcome:** Recognized as one of the top projects among 150 submissions; improved crop yield.
- **Duration:** One year; prototype complete and paper ready for publications.
- **Role:** Guided the design and creation; coordinated team efforts.

2. HeartSafe Guardian

- **Objective:** Develop a wearable device with STM32 and a 12-lead ECG for accurate heartbeat tracking and alerts.
- **Outcome:** Provides a reliable device that tracks heart rate, detects issues, and alerts medical staff.
- **Duration:** Ongoing; selected in the first round of the Edge AI Challenge 2024 by DigiToad Technologies and STMicroelectronics.
- **Role:** Developed the system, integrated STM32 Microcontrollers, and participated in the Challenge.

INTERNSHIPS

1. Embedded AI Technology Intern

DigiToad Technologies

June 2024 - Present

- Working on Embedded AI Projects using STM32 ARM Cortex M4 Development Boards.
- Completed a 3-day offline workshop on advanced STM32 applications.

2. Online Intern in AI/ML

NIELIT Virtual Academy (NVA)

August 2024 – present

- Working on AI/ML projects using Python
- Gaining experience in data analysis, model training, and algorithm optimization.