

# Pagadala Nagavardhan

College Graduate

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## CAREER OBJECTIVE

Aspiring Technology Enthusiast with a strong foundation in programming languages and development methodologies, seeking an entry-level position to leverage skills and contribute to innovative projects. Eager to grow within a dynamic development team.

## EDUCATION

### • B.Tech Computer Science and Engineering

CGPA: 7.29

### • Senior Secondary

Percentage: 92.4%

### • Secondary

Percentage: 76.5%

Aug'20 - Aug'24

Lovely Professional University, Phagwara

Jun'18 - Mar'20

Sri Chaitanya Junior College, Khammam

Jun'17 - Mar'18

Gorkey Public School, Khammam

## PROJECTS

### • Speech Into Sign Language Using Machine Learning Algorithms in Python

Jun'24 - Aug'24

Tools: [Python, Flask, HTML, CSS, JavaScript, SQLAlchemy, Google Text-to-Speech (gTTS)]



- Developed a voice-activated web assistant using Flask, integrating speech recognition and natural language processing (NLP) to deliver contextually relevant GIFs based on user queries, enhancing user engagement and interaction.
- Implemented secure user authentication using Flask-Login and SQLAlchemy, effectively reducing unauthorized access attempts and enabling dynamic content generation.
- Applied scikit-learn for advanced text processing, enhancing GIF selection accuracy by leveraging TF-IDF vectorization and K-means clustering methodologies for precise mapping of user queries to predefined gestures.
- Enhanced system performance by optimizing algorithms and integration, reducing response time for faster GIF retrieval, and significantly improving user satisfaction.

## TRAINING

### • Summer Training in C++ with Data Structure & Algorithm: Foundation To Advanced

May'22-July'22

Fifth Force

- Developed advanced analytical capabilities by implementing complex algorithms and optimizing code execution through dynamic programming and recursion techniques, resulting in improved efficiency and performance.
- Enhanced software performance by mastering core data structures such as arrays, trees, and hash maps, resulting in improved application scalability and reliability.
- Conducted an in-depth analysis of algorithmic efficiency using Big O notation, resulting in enhanced resource utilization and optimized performance during peak usage periods.
- Collaborated on project initiatives focusing on algorithm optimization, leading to the successful deployment of high-quality code in a competitive academic environment and improving overall student satisfaction.

## SKILLS

- **Programming Languages:** C, C++, Python, JavaScript, Java
- **Technologies:** HTML, CSS, React, Flask
- **Databases:** SQL, MongoDB
- **Tools:** Excel, Visual Studio Code, Linux, Github

## CERTIFICATES

- **Crash Course on Python:** [Coursera](#)
- **Python Mega Course : Go Beginner to Expert in Python:** [Udemy](#)
- **SQL (Advanced):** [HackerRank](#)

April'23

Nov'22

Aug' 24