PADMA NAGASRI GUNDUBOGULA

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OBJECTIVE

Computer Science undergraduate with strong hands-on experience in Full Stack Development, NLP, and Natural Language Generation (NLG). Proficient in Python, FastAPI, Flask, MongoDB, and React, with a research-oriented mindset gained through internships at IIIT Hyderabad labs. Seeking an entry-level role where I can contribute to building intelligent, language-driven applications, scalable backend systems, and research-backed AI solutions.

EDUCATION

Bachelor of Technology in Computer Science and Engineering
KIET Group of Institutions, Kakinada

Class XII
SASI, Mandapeta, 70.4%

Class X
Dr. B.J.Z.P.P High School, 98.9%

TECHNICAL SKILLS

Frontend:	HTML5, CSS, Bootstrap, React
Backend:	Python, FastAPI, Flask, SQL, MongoDB
AI/NLP:	Natural Language Processing, NLG
UI/UX Design:	Figma
Version Control:	Git, GitHub
Tools:	VS Code

SOFT SKILLS

Communication, Leadership, Problem-solving, Creativity, Public Speaking, Teamwork

EXPERIENCE POSITIONS

Research Developer Intern – LTRC Lab, IIIT Hyderabad   Sept – Present (6 Months)
Working on Full Stack development and NLP/NLG-based research systems. Contributing to language technology tools involving semantic processing, sentence generation, and backend API development.

Research Developer Intern – IIIT Hyderabad   3 Months
Worked on NLP research projects involving semantic annotation and sentence generation. Contributed to AI systems integrating speech and text processing pipelines.

Junior Developer Intern – RCTS, IIIT Hyderabad   8 Months
Developed full-stack web applications using React and Flask. Improved UI/UX, optimized backend APIs, and integrated NLP-based speech analytics for efficient data processing.

EXTRA ACTIVITIES

Toastmasters Member
Completed Presentation Mastery Path (5 Levels). Actively participated in speeches, leadership roles, and contests, enhancing communication and leadership skills.

Student Mentor
Mentored juniors in frontend development and introduced them to NLP and AI-based application development.

PROJECTS

Speech to Text Converter
Developed a Speech-to-Text system that converts spoken audio into accurate textual output. Focused on improving transcription accuracy and real-time speech recognition for accessibility and automation use cases.
Tech Stack: Python, NLP, Speech Recognition

Recipe Generator (Agentic AI)
An AI-powered system that generates structured cooking instructions from minimal user input. Designed to help users contribute traditional recipes using grammatically correct and meaningful sentences.
Tech Stack: Python, NLP, Flask, MongoDB, React

To-Do List
A task management web application enabling users to add, delete, and track tasks with reminders for productivity.
Tech Stack: HTML, CSS, Java

Data Dialect
An NLP-based speech analytics platform that evaluates speech accuracy and fluency while providing insights into regional language usage.
Tech Stack: Python, NLP, FastAPI

Mental Health AI
An AI tool that analyzes speech patterns such as tone and pitch to assess emotional states and support early mental health insights.
Tech Stack: Python, NLP, Speech Recognition

Digits Automated Speech Recognition
A speech recognition system specialized in recognizing spoken digits for banking, voice authentication, and automated customer service systems.
Tech Stack: Python, NLP

CERTIFICATIONS

UI/UX Development – NXTWAVE
Static Website Development – NXTWAVE
CSS and JavaScript – Udemy
Python Programming – Udemy
Foundations of Machine Learning – IIIT RCTS / iHUB-data
Generative AI Virtual Internship – Eduskills (in collaboration with Google Cloud)
Swecha Internship / OS Development – Swecha IIIT
Presentation Mastery (5 Levels) – Toastmasters International
Research Internship Certificate – LTRC Lab, IIIT Hyderabad

AWARDS

Triple Crown Award – Toastmasters International
Toastmasters Area Contest Representative – Humorous Speech Competition