

# ALLWIN RAJA J

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## OBJECTIVE

AI and Machine Learning Engineer with hands-on experience in conversational AI, NLP, and production-grade ML systems. Skilled in Python, LLM integration, REST APIs, and end-to-end AI deployment. Seeking to build scalable, real-world AI solutions with measurable impact.

## EXPERIENCE

### AI VOICE INTERN

Word Works AI Pvt. Ltd.

Remote – Sept 2025 - Dec 2025

- Built and deployed a multilingual AI Voice Assistant using LLaMA 3 (Groq), speech-to-text, and ElevenLabs TTS.
- Implemented latency-optimized conversational workflows for real-time voice interactions.
- Performed model output validation, voice response testing, and systematic debugging for production stability.
- Collaborated with cross-functional product and AI teams using Git-based version control and Agile sprint workflows.

### ASSISTANT SYSTEM ENGINEER

Tata Consultancy Services

Bangalore – Oct 2024 - March 2025

- Worked in the role of EUC Support Executive and provide support for end user computing applications and resolved basic system issues.
- Assisted in maintaining and updating user access and identity management for business applications.

### PYTHON BACKEND DEVELOPER INTERN

Cartoon Mango - (UI/UX Design and Application development company)

Remote – Feb 2024 - April 2024

- Worked in the role of Backend Developer Intern and was actively, diligently and sincerely involved in the tasks assigned.

## TECHINICAL STRENGTHS

Technical Skills	Python, Pandas, NumPy, Scikit-learn, NLP, SpaCy, LLM APIs, Conversational AI, Speech-to-Text, Text-to-Speech, Flask, FastAPI, REST APIs, Git, MySQL, JSON, Data Validation, Tableau
Soft Skills	Analytical Thinking Problem-Solving, Data Presentation, Collaboration, Continuous Learning, Adaptability

## PROJECTS

**AI Voice Agent** – Built a real-time multilingual conversational voice assistant using LLaMA 3 (Groq), ElevenLabs TTS, and Flask APIs.

**HSN Code Validation AI Agent** – Developed an NLP-powered chatbot for real-time HSN classification using SpaCy and Excel datasets.

**PII Detection Email Classifier** – Built an ML-based NLP classifier using TF-IDF and supervised learning for sensitive data detection.

## EDUCATION

<b>B.Tech – AI and DS</b> - K Ramakrishnan College of Technology, <b>CGPA: 8.1</b>	2020 – 2024
<b>HSC</b> - Infant Jesus Matriculation Hr Sec School, 71%	2019 – 2020
<b>SSLC</b> - Infant Jesus Matriculation Hr Sec School, 86%	2017 – 2018

## CERTIFICATIONS

Programming for Everybody – Python (Coursera)	Data Analysis with Python (FreeCodeCamp)
Machine Learning with Python (FreeCodeCamp)	Database Management Essentials (Coursera)