

ALLWIN RAJA J

+91 9345696061 | Bengaluru | allwin10raja@gmail.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

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.

TECHNICAL 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.Tech – AI and DS - K Ramakrishnan College of Technology, **CGPA: 8.1**

2020 – 2024

HSC - Infant Jesus Matriculation Hr Sec School, 71%

2019 – 2020

SSLC - Infant Jesus Matriculation Hr Sec School, 86%

2017 – 2018

CERTIFICATIONS

Programming for Everybody – Python (Coursera)
Machine Learning with Python (FreeCodeCamp)

Data Analysis with Python (FreeCodeCamp)
Database Management Essentials (Coursera)