

# POOJIT JAGADEESH NAGALOTI

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## PROFILE SUMMARY

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AI-focused Full Stack Developer with hands-on experience building LLM-powered applications, REST APIs, and end-to-end AI pipelines. Skilled in FastAPI, LangChain, OpenAI/Gemini APIs, and RAG architectures. Passionate about solving real user problems through creative, technically deep solutions. Seeking a role where depth, autonomy, and meaningful product impact are valued.

## WORK EXPERIENCE

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### WECATCHAI

Dec 2025 – Present

*AI Full Stack Developer*

Bangalore

- Built an **AI Text Humanizer** feature using LLMs and human-rewrite pipelines to transform AI-generated content into natural, undetectable human writing — directly improving platform retention and user trust.
- Implemented a **Refer & Earn system** end-to-end on the WeCatchAI platform — referral tracking, reward logic, and user dashboard integration.
- Developed a full **Discuss (social comment) module** with threaded comments, reactions, and real-time UI — similar to social media feed interactions.
- Resolved critical **race condition bugs** and authentication flow issues, improving system reliability under concurrent load.
- Delivered iterative **UI/UX improvements** across core product pages, improving usability and visual consistency.

### FREELANCER (Upwork)

Feb 2025 – Jul 2025

*AI Software Developer*

Remote

- Delivered production-ready AI applications including an **AI Resume Matcher**, **Meeting Scheduler Voice Agent**, and personalised **LLM chatbot assistants** using FastAPI and OpenAI/Gemini.
- Built scalable **REST APIs** integrating Whisper STT, FAISS vector search, and custom NLP pipelines for intent detection and relevance scoring.
- Implemented **OAuth integrations** for LinkedIn posting, Google Drive/Dropbox file automation, and HubSpot CRM connectivity.

### ANGSTROMERS ENGINEERING SOLUTIONS

Jun 2024 – Feb 2025

*Trainee Engineer — AI & Embedded Systems*

Bangalore

- Developed **AI-based camera vision systems** and microcontroller-integrated models using Arduino, Python, and OpenCV.
- Trained **30+ students and professionals at Mercedes-Benz** on AI fundamentals, real-time speech/image processing, and edge device model integration.
- Conducted model accuracy and performance benchmarking across edge deployment environments.

## PROJECTS

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### 1. AI Resume Evaluation System

- Built an AI-powered resume evaluation system using FastAPI and OpenAI GPT — automated candidate-job relevance scoring through natural language matching and extracted skills.
- Integrated PDF/DOCX parsing, experience extraction, and GPT-based scoring logic for accurate automated matching.

### 2. AI Meeting Scheduler

- Full-stack AI assistant to schedule meetings via natural language using LangGraph, Gemini 1.5 Flash, and Streamlit.
- Integrated Google Calendar API for real-time availability, conflict detection, and automatic event creation. Deployed on Render with multi-turn memory.

### 3. Spidy AI Voice Assistant

- Voice-activated AI assistant with custom wake word detection, speech recognition (Google Speech API / Vosk), TTS (pyttsx3), and conversational AI via Ollama API.
- Built modules for background listening, command execution (apps, web search), and NLU using embeddings and prompts.

## TECHNICAL SKILLS

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**Languages** : Python, C, Java (Basic), SQL, HTML, CSS

**Frameworks** : FastAPI, Streamlit, Flask, LangChain, TensorFlow, React, Node.js

**AI Technologies** : OpenAI GPT, Gemini, LangChain, LlamaIndex, FAISS, Whisper STT, HuggingFace Transformers, RAG Pipelines, Vector Databases

**Tools & Platforms** : GitHub, Jupyter, VS Code, Google Colab, Arduino IDE, MySQL, AWS, Jira

## EDUCATION

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**Cambridge Institute of Technology, Bangalore**

2021 – 2025

B.E in Electronics & Communication Engineering | CGPA: 8.7/10

**BVVS Independent PU College, Bagalkot**

2019 – 2021

Class 12 | 89%

## CERTIFICATIONS

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- Software Engineering — HP Enterprise (Forage)
- CameraVision — Microsoft Azure AI Fundamentals