Jugal Kamal Gurnani

AI Engineer

+91 8779012240 | jugalgurnani73@gmail.com | Thane, India | Experience: 2 years |

LinkedIn | GitHub

AI Developer and data scientist with hands-on experience in developing intelligent chatbots using advanced RAG architecture with Vector Embeddings, LangChain, and OpenAI. Successfully designed and implemented a sophisticated chatbot capable of processing and understanding PDF inputs. Fluent with various frameworks including LangChain, Autogen and CrewAI. Proficient in integrating AI models with document processing pipelines to enhance user interaction and information retrieval including text-to-speech (TTS) and Speech-to-text (STT). Proficient in Azure cloud including Azure AI Foundry and Azure Cognitive services.

Shows problem-solving skills, innovative thinking, and a commitment to advancing AI-driven solutions for increased automation and productivity gains through AI.

Volunteered at DY Patil Stadium for TATA IPL 2022 and FIFA U-17 Women's World Cup 2022, getting key skills in event-management, time-management, and crowd handling, while working collaboratively with diverse groups

SKILLS

Environments	Windows
Languages	Python
Database	SQL Server Management Studio (SSMS) 21
Cloud Services	Azure AI Foundry, Azure Cognitive Services, Azure Functions
Domains	Healthcare, Finance
AI/ML	Generative AI, RAG, Agentic AI, Transformer Architecture, TTS/STT
Tools & Frameworks	LangChain, CrewAI, Pinecone, Pandas, HuggingFace, Neo4j, Autogen

WORK EXPERIENCE

CitiusTech Healthcare Technologies Private Limited   *Duration: Jul 2025 – Till Date*

CitiusTech is a specialized provider of healthcare technology and business process services to healthcare technology companies, healthcare providers, managed care organizations, health plans, and disease management companies.

Project	Virtual Call Agent
Summary	AI System to mimic a phone call between Nurse and Payer for Prior Authorization at Patient intake
Main Technologies	Azure AI Speech Service, Azure OpenAI GPT-4o, FastAPI
Responsibilities	▪ Integrated Text to Speech and Speech to Text to mimic a Phone call ▪ Participated in the coding of the application ▪ Developed the workflow of the application

Project	Progress Notes Generator
Summary	Azure based AI system to generate progress notes from patient's medical charts and determine the progress of patient's condition
Main Technologies	Neo4j, Azure Document AI
Responsibilities	- Developed the workflow of the application - Participated in the coding of the application - Generated the neo4j graph

Project	AI Driven Billing Code Assistant
Summary	A Multi-Agent AI System that uses advanced reasoning and decision making to generate the billing codes from clinical notes.
Main Technologies	AutoGen framework, Azure OpenAI GPT 4.1
Responsibilities	- Developed workflow for the application - Participated in designing and coding of the application - Created the Agents - Evaluated the outputs

Beyond Key Systems Pvt. Ltd.   *Duration: Jan 2024 – Mar 2025*

Beyond Key is a leading software development and IT consulting company, specializing in custom solutions and leveraging transformative Microsoft technologies, headquartered in India.

Project	AIKA (AI Knowledge Assistant)
Summary	A RAG based application allowing users to query files uploaded on their SharePoint Knowledge Hub
Main Technologies	Python, Postgres vector database(pgvector)
Responsibilities	- Developed high level designs for AIKA - Participated in the coding of the application - Designed the database - Unit tested software components

EDUCATION

2024 B.Tech | Computer Engineering | Data Science Specialization

Ramrao Adik Institute of Technology, Navi Mumbai

Final Semester GPA: 10 | Overall GPA: 8.21

2020 Higher Secondary Certificate (HSC)

Arya Gurukul International School and Junior College, Airoli

Result: 64.31%

2018 Secondary School Certificate (SSC)

Vasant Vihar High School, Thane

Result: 81.60%

CERTIFICATIONS

- Harvard Business School Online Entrepreneurship Essentials
- Harvard Business School Online Sustainable Business Strategy
- Harvard Business School Online Business Analytics
- Volunteer for FIFA U-17 Women's World Cup 2022
- Volunteer at DY Patil Stadium for TATA IPL 2022

ADDITIONAL INFORMATION

Hobbies: Playing Cricket, Playing Guitar

Languages: English, Hindi, Marathi