

# SARATH CHANDRA BANDREDDI

+91 6305419947 ✧ [bandreddysarathchandra@gmail.com](mailto:bandreddysarathchandra@gmail.com) ✧ [LinkedIn](#) ✧ [CodeCheff](#) ✧ [GitHub](#)

## PROFESSIONAL SUMMARY

A highly motivated and innovative AI Engineer with hands-on experience in Python development, Artificial Intelligence, and Django web application development. Skilled in machine learning, deep learning, generative AI, and AI agent systems, with a proven track record of building robust, production-ready AI solutions. Dedicated to continuous learning and staying current with emerging technologies. Eager to contribute to cutting-edge software projects and thrive in collaborative, high-impact environments.

## TECH STACK

- **Languages** : Python, Core Java
- **Markup Languages** : HTML, CSS, Jinja Coding
- **Libraries/Frameworks** : TensorFlow, Keras, LlamaIndex, LangChain, LangGraph, Ollama, OpenCV, Django, Gradio
- **Tools / Platforms** : Kaggle, Google-Colabs, Git, GitHub, AWS (Bedrock, ECR, ECS), Figma

## WORK EXPREANCE

**BLDX** Dec 2024 – Present

### AI Engineer Intern

I led the development of LLM-powered agents, including a document search agent using **LangGraph** and a **RAG-based system with LlamaIndex and MongoDB**. I deployed **FastAPI** backends with **Docker** on **AWS**, ensured data privacy, and implemented structured output pipelines. I also built **prompt-driven** risk analysis tools and am currently developing a multi-agent system with optimization of tokens.

## PROJECT PROFILE

**Document Query AI Agent (🧐 [LINK](#))** - Individual project **Vextor Embedding | HuggingFace | LlamaIndex | Gradio**

- **Created** an AI chatbot for **document-based Q&A** utilizing **Llama3-8B**, **Mistral-8x7B** and other popular LLMs for **cutting-edge** natural language processing.
- **Integrated Llama Indexing** for **efficient data retrieval** and **robust document parsing** within an **intuitive user interface**.
- **Combined** various embedding generation techniques with a **resilient query retry mechanism**, boosting **data accuracy** and **system reliability**.

**SCRAM (🐱 [LINK](#))** - Minor project **Gemini-pro (LLM) | Tensorflow | Keras | OpenCV | Django**

- **Engineered** a robust, **secure Django-based system** for comprehensive college resource and access management, incorporating advanced features such as user management, complaint registration, and a chatbot assistant. Seamlessly **integrated Gemini-Pro LLM** and introduced face recognition technology for enhanced attendance tracking.
- **Devised** robust **user authentication** and **2-FS password authentication**, enhancing **system security and reliability**.
- **Led the project team**, developing **comprehensive Django templates**, seamlessly **integrating custom chatbot functionalities** using LLM and created a one short **face recognition** for **attendance management** system.

**Epic-Minds (🧐 [LINK](#))** – Individual Project **Gemini Flash | MongoDB Atlas | HuggingFace | LlamaIndex | Gradio**

- **Developed** RamayanaGPT and GitaGPT using **RAG architecture** for scripture-based QA with structured prompt templates. Used Hugging Face (multilingual-e5-base) for **text embedding** and **Gemini Flash API** for LLM responses.
- Stored vector embedding on **Mongo DB**. Created Vector Search Index
- **Engineered** clean **vector pipeline initialization**, multilingual support, and collapsible UI summaries with real-time query logging.

## EDUCATION PROFILE

Course	Institution	CGPA	Duration
B.Tech-CSE (AI & ML)	VVIT-Vasireddy Venkatadri Institute of Technology	8.63	2021-2025
12th class	Narayana Junior College	9.22	2018-2020
10th class	Narayana High School	9.7	2017-2018

## CERTIFICATION DETAILS

- **Python Programming** : [Kaggle](#), [SoloLearn](#), [HackerRank](#), [GUVI](#).
- **ML&DL** : [Coursera](#), [Kaggle](#), [Microsoft](#), [IBM](#), [Kaggle](#), [NPTEL](#), [OpenCVUniversity](#), [IBM](#).
- [Google Skill Boost\(profile\)](#) : Introduction to Gen AI LP, Gemini for Google Cloud LP, Gen AI for Developers Learning Paths.
- **Django** : [Microsoft](#)
- **NPTEL (exam)** : **Java (ELITE)**, **Data Science (ELITE + SILVER)**, **Deep Learning**