

# SRIMATHI VENUGOPAL

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## ABOUT ME

B.Tech graduate in Artificial Intelligence and Data Science (CGPA: 8.2/10) skilled in Python, Machine Learning, Deep Learning, Generative AI, and LLM application development. Experienced in building AI-powered applications, RAG systems, and intelligent automation solutions. Seeking an entry-level AI Engineer role.

## EDUCATION

KCG College of Technology, Chennai, India

Bachelor of Technology (B.Tech) in Artificial Intelligence and Data Science | CGPA: 8.2/10 | 2022 – 2026

## EXPERIENCE

### Work Booster AI | AI Engineer Intern

Feb 2026 – May 2026

- Engineered Corrective RAG, Knowledge Graph RAG, and Agentic RAG pipelines, increasing knowledge retrieval performance by 40% and reducing LLM hallucinations through prompt engineering.
- Built and deployed MeetingClosure AI, automating enterprise task validation and audit-trail workflows through Flask REST APIs.

**Technologies:** Python, LangChain, LangGraph, LLMs, RAG, Flask, Hugging Face, REST APIs

## TECHNICAL SKILLS

- Python, SQL, C++ | LangChain, LangGraph, RAG, Hugging Face, MCP | Scikit-learn, PyTorch, TensorFlow, Transformers, LSTM | Flask, REST APIs, React | Pandas, NumPy, Power BI | Git, GitHub, VS Code

## PROJECTS

### MeetingClosure AI | Enterprise Agentic AI Platform

Feb 2026 – May 2026

- Architected an AI-powered platform for meeting management, task tracking, and action closure using Python, LangChain, and Flask.
- Implemented advanced RAG architectures to strengthen enterprise knowledge retrieval, resulting in 40% higher retrieval performance, 25% fewer hallucinations, and 15% improved task validation accuracy.

**Technologies:** Python, LangChain, LangGraph, LLMs, RAG, Flask, REST APIs, HTML, CSS, JavaScript

### Company-Specific RAG Chatbot | Enterprise Knowledge Assistant

Jan 2026 – Mar 2026

- Designed an enterprise RAG chatbot leveraging vector embeddings and internal knowledge bases, reducing query response time by 40%.
- Enhanced retrieval quality through prompt engineering, chunking, and semantic search techniques, improving response accuracy by 30%.

**Technologies:** Python, LangChain, LLMs, RAG, Vector Databases, Embeddings, Flask, REST APIs

### Electricity Bill Usage Prediction and Optimization

Jul 2025 – Dec 2025

- Built a machine learning-based electricity forecasting system, reducing prediction error by 20% through seasonal feature engineering and predictive analytics.

**Technologies:** Python, Pandas, Scikit-learn, Regression, Feature Engineering, Predictive Analytics

## CERTIFICATIONS

- Generative AI & Agentic AI Certification – Work Booster AI (2026)
- Python for Data Engineering – NPTEL (2025)

## ACHIEVEMENTS

- 1st Prize – Women's Hackathon (Aug 2025)
- Sports Captain – KCG College of Technology, leading college sports teams and events (Apr 2026)