KVL Sarath Chandra

Roll No.:240001039

B.Tech - Computer Science and Engineering

Indian Institute Of Technology Indore

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology Indore	8.94 (Current)	2024-Present
Senior Secondary	Telangana State Board	98.30%	2024
Secondary	AP State Board	96.67%	2022

PROJECTS

- **Chatbot using Retrieval Augmented Generation (RAG)**   *GitHub*
  GDSC, IIT Indore   Feb. 2025 - Mar. 2025
  - Built a RAG-based Chatbot using Langchain and Google Gemini APIs for document-based and context-aware query answering.
  - Enabled voice input/output using Whisper (OpenAI) and gTTS; deployed the chatbot on Streamlit for interactive web-based usage.
  - Integrated a vector database for retrieval and handled out-of-context queries using fallback to general LLM-based responses.

- **Image Generation using GANs**   *GitHub*
  Cynaptics Club, IIT Indore   Jan. 2025
  - Implemented a Generative Adversarial Network (GAN) from scratch using PyTorch for generating synthetic images.
  - Trained the model on a custom image dataset to learn data distribution and generate visually realistic samples.
  - Explored the training dynamics between Generator and Discriminator to improve generation quality and model stability.

TECHNICAL SKILLS

- **Programming**: Python, C++
- **Tools/ Frameworks**: Pytorch, Scikit-learn, Pandas, Langchain, Neural Networks, RAG, Transformers, NLP, Deep Learning

* Elementary proficiency

KEY COURSES TAKEN

- **Mathematics**: Linear Algebra, Basic Calculus, Differential Equations
- **Computer Science**: Basics of Computer Programming

POSITIONS OF RESPONSIBILITY

- **Member**, Cynaptics Club, IIT Indore   *Jan. 2025 - Present*
- **Volunteer**, The Programming Club, IIT Indore   *Feb. 2025 - Present*
- **Volunteer**, Google Developer Students Club, IIT Indore   *Feb. 2025 - Present*
- **Member**, CSE Student Association, IIT Indore   *Apr. 2025 - Present*
- **Member**, The Debating Society, IIT Indore   *Feb. 2025 - Present*
- **Jr. Senator CSE**, The Academic Council, IIT Indore   *Apr. 2025 - Present*
- **USG**, Delegate Affairs, MUN-IIT Indore   *Apr. 2025 - Present*

ACHIEVEMENTS

- **AIR-961**, JEE ADVANCED   *2024*
- **AIR-821**, JEE Mains   *2024*
- **3rd place**, IITI PD, Debating Society IIT Indore || Among 50+ participants   *2025*