SHREYAS RAJ

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Education

Koneru Lakshmaiah Education Foundation Vijayawada, India ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ 2022 - 2026
Bachelor of Technology - Computer Science and Engineering & Minor in Honours Through Innovation — CGPA: 8.59
Relevant Courses: OOPS, OS, DSA, DBMS, Computer Networks, Artificial Intelligence, Parallel and Distributed Computing

Holy Mission High School from CBSE Board ,	**Holy Mission High School from CBSE Board ,**
Samastipur, Bihar - 2020 -2022	Samastipur, Bihar - 2019 -2020
Higher Secondary School — Percentage : 71.5%	Secondary School — Percentage : 89.6 %
Core Course : Physics , Chemistry , Mathematics	Core Course : Physics , Chemistry , Standard Mathematics

Skills

Languages : Advance Java, JavaScript, Python, SQL
Frameworks : React JS, NodeJs, Express Js, Docker, Kubernetes, LangChain, LangSmith
Tools : Git, GitHub, Postman , AWS, Jira, Figma, Framer, API
Databases : MongoDB, PostgreSQL, MySQL, Firebase , PineCone
Platforms : Linux, Windows, VS Code, Jupyter & Colab Notebook

Experience

UI / UX Intern , at Techolution India Pvt. Ltd. ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ September-2025 to March 2026

- Built an **AI-powered Pre-PR assessment system** that automates code readiness checks, improving **first-pass PR quality to 80%+** and reducing review cycles by **30–60%**.
- Drove **end-to-end ownership** from problem discovery to shipping, saving **~10–15 engineering hours per PR** and improving developer velocity at scale.

Projects

Intelligent Fashion Recommendation System : (Web Link, Code Link) ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯ May 2025

Tech Stack: Python, OpenAI GPT-4, CLIP, BM25, Pinecone, Gradio, NumPy, PIL
- **Implemented a multimodal fashion search system** using **CLIP** for visual similarity and **GPT-4** for semantic enrichment, enabling **image-to-product matching** with **~40% relevance lift**.
- **Optimized retrieval at scale** with **α-weighted BM25 + dense vectors** and **Pinecone indexing**, delivering **2× faster queries** and **real-time filtering**, exposed through a **Gradio-based UI**.

Policy RAG – Intelligent Document Query Retrieval System: (Web Link, Code Link) ⋯⋯⋯⋯⋯ Aug 2025

Tech Stack: Python, FastAPI, PyMuPDF, DocArray InMemorySearch, OpenAI Embeddings, AsyncIO, Re-ranking

- **Built an AI-powered document query system** for insurance and compliance policies using **semantic chunking**, **DocArrayInMemorySearch**, and **OpenAI embeddings with re-ranking**, enabling **40 policy questions to be answered in ~30 seconds**, while delivering **precise, explainable outputs** with **confidence scores and source mapping** and **lower LLM cost**.

Certifications

- **Fortinet Certified Associate Cybersecurity**
- **Cisco CCNA: Introduction to Networks**
- **Cisco CCNA: Switching, Routing, and Wireless Essentials**
- **ServiceNow Certified System Administrator**
- **Python Essentials 2**
- **Cisco CyberOps Associate**
- **Cisco CCNA: Enterprise Networking, Security, and Automation**

Accomplishments

- Nominated for inauguration ceremony of BVR Mohan Reddy School of Innovation and Entrepreneurship(BVR SCIENT), IIT Hyderabad. - Oct 2023
- Our Venture DakshHire, participated in the AICTE Innovation, Design, and Entrepreneurship Bootcamp, stood out as one of the Top 5 Performing Teams among 100+ participating teams hosted at GITAM University, Vizag. Sept -2024
- Qualified for the Semifinals of IIT Bombay Eureka! 2024, Asia's largest business model competition, among the top 150 ideas out of 25,000 participants Dec 2024. Dec -2024