

Saragadma Vamshi

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SUMMARY

Aspiring AI Engineer with a strong foundation in developing AI-driven applications and a keen interest in Large Language Models (LLMs) and conversational AI. Possesses hands-on experience in integrating AI APIs for natural language generation and a commitment to building robust, data-driven solutions. Seeking to apply software engineering expertise and emerging AI skills to contribute to innovative product development, particularly in the insurance domain, leveraging foundational knowledge to tackle complex challenges.

SKILLS

- **AI & Machine Learning:** Large Language Models (LLMs), Natural Language Processing (NLP), Conversational AI Concepts, Prompt Engineering, AI API Integration, Machine Learning Fundamentals, Data Preprocessing
- **Programming Languages:** Python, JavaScript (Node.js, Express.js, React.js), Java
- **Databases:** MongoDB, MySQL, SQLite
- **Tools & Methodologies:** Git, GitHub, Linux, RESTful APIs, Data Structures & Algorithms (DSA)

PROJECTS

AI-Powered Social Media Content Generator

- Developed an AI-driven content generation platform leveraging Large Language Models (LLMs) to create tailored posts for various social media platforms, demonstrating practical application of NLP and generative AI.
- Designed and optimized prompts to guide LLM output, ensuring content relevance, tone, and format adherence for diverse social media contexts, showcasing foundational prompt engineering skills.
- Implemented robust API integrations to asynchronously communicate with AI models, efficiently processing user requests and rendering dynamic, AI-generated content.
- Engineered secure user authentication with JWT tokens and data storage in databases, highlighting practices essential for managing user-specific AI interactions and data integrity.
- *Technologies:* React.js, JavaScript, Node.js, REST API, LLM APIs, JWT, MongoDB

Conversational AI Concepts Exploration

- Actively exploring and experimenting with foundational conversational AI concepts, including intent recognition, entity extraction, and dialogue flow management, to build interactive AI agents.
- Investigated techniques for crafting effective prompts and managing context within multi-turn conversations, aiming to create natural and persuasive AI interactions.
- Personal projects involve building simple chatbot prototypes to understand user queries and generate contextually relevant responses, focusing on practical application of NLP principles for dialogue systems.

Scalable E-commerce Platform (Course Selling App)

- Engineered a full-stack e-commerce platform with secure user authentication (JWT) and persistent data management for users, administrators, and course details.
- Designed an optimized database schema to ensure efficient data retrieval and scalability for managing diverse application entities.
- *Technologies:* Express.js, MongoDB, JWT

EDUCATION

- **Bachelor of Technology, Computer Science** 2025
Maharaj Vijayaram Gajapathi Raj College of Engineering
- **Diploma in Computer Science** 2022
Government Polytechnic, Anakapalli
- **High School** 2019
Amar Concept School

ADDITIONAL INFORMATION

- **Languages:** Fluent in English, Native in Telugu.