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Summary

M.Tech Computer Science student with hands-on experience in full-stack development, large-scale applications, and AI-powered systems. Experienced in building scalable web apps, developing LLM-based systems, Passionate about solving impactful real-world problems through innovative software solutions.

Education

Sri Ramakrishna Engineering College (SREC)

Expected graduation date: Jun. 2026

M.Tech in Computer Science and Engineering (Integrated 5 Years)

CGPA: 7.19/10 (till 8th semester)

Relevant Courses: Programming Languages (C, Java), Web Development (Javascript and MERN), OOPS (Java), Data Structures and Algorithms I and II (Java), Artificial Intelligence, NLP, Operating Systems, Cloud Computing

Projects

CRM-Based Full Stack Application using MERN

Dec. 2023

Application For manage leads, clients, and workflows with authentication

MongoDB, Express.js, React.js, Node.js

- Designed and developed a full-featured CRM application with user management, lead tracking, and activity logging.
- Built RESTful APIs in Node.js/Express for secure data operations with MongoDB integration.
- Developed responsive UI using React.js with role-based access and form validations.
- Implemented JWT-based authentication, CRUD operations, and integrated email notifications.
- Deployed on AWS/GitHub Pages with CI/CD integration.

URL based Answer Generator based on Prompt using LLM

June 2024

Generate responses based on a user-provided URL and prompt

Python, NLP, LLM, Langchain, Pinecone DB

- The user inputs a URL and a query (prompt). The system scrapes and extracts textual content from the webpage. Non-text elements (images, scripts) are filtered out to retain meaningful data
- The extracted text is converted into numerical vectors using a pretrained embedding model. The vectorized data is stored in Pinecone Vector Database, enabling efficient retrieval.
- When a user inputs a query, it is converted into an embedding. Pinecone searches for the most relevant vectors based on the prompt. The retrieved relevant content is then passed to the LLM (Google PaLM API).
- The LLM processes the user query along with the retrieved context from Pinecone. It generates a contextually accurate and relevant response.

Experience

Sierra Digital

June. 2024 – Dec. 2024 (6 Months)

Technical Trainee

SAP UI5/Fiori, Javascript, Node.js, SAP Build Apps, SAP build Process Automation

SAP Build Apps & Process Automation Projects

- Developed an Employee and HR Approval Application with email automation, integrating **SAP Build Apps with SAP Build Process Automation**.
- Implemented UI design, data binding, and API connectivity to streamline approval workflows.
- Designed and automated business processes, reducing manual effort and improving efficiency.

Business Process Management Project

- Primarily contributed to the frontend development using **SAP Build Apps**, ensuring a seamless and user-friendly interface.
- Collaborated with backend teams to integrate process automation solutions effectively.

Automation Solutions (Email & API Triggers)

- Developed **Email automation** and **API-triggered workflows** using SAP Build Process Automation to enhance process efficiency and communication.
- Optimized system interactions to automate business functions effectively.

Skills

Languages: Java, Python, C++, JavaScript, SQL

Web & Backend: React.js, Node.js, MongoDB, Express.js, REST APIs

AI/ML & LLMs: Google PaLM API, NLP, Embeddings, Prompt Engineering, LangChain

Tools & Platforms: Git, AWS, Docker, Pinecone, LangChain, SAP BTP, SAP Build Apps, SAP UI5/Fiori

Other: Unity, Blender, GitHub, Postman, Oculus SDK

Certifications:

[L&T techgium 2024](#) , [Udemy-Generative AI](#), [Udemy Front-End Web Development](#), [LetsUpgrade Postman API](#), [NVIDIA Fundamentals of Deep Learning](#), [LetsUpgrade Mysql](#), [LetsUpgrade Python and Data Science](#), [GUVI Python](#)