SIVA SAI NAGANABOYINA

Computer Science and Design
Bachelor of Technology
Sagi Ramakrishnam Raju Engineering College, Bhimavaram

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 GitHub Profile
 LinkedIn Profile

EXPERIENCE

Bizcraft Advisors   April 2023 - Present
                                                   Software Engineering Intern

- Collaborated on a project to automate Tally using generative AI models like OpenAI and Form Recognizer, resulting in a remarkable 90% reduction in manual workload through innovative software solutions.
- Engineered a high-performance back-end using Python's FastAPI and Docker, achieving 50% faster deployments and 30% increased development efficiency, while seamlessly integrating front-end components using Next.js for a responsive user experience.
- Streamlined data operations by leveraging Temporal for workflow automation, cutting processing time by 50% and enabling teams to focus on higher-value tasks, thereby increasing productivity by 30%.
- Optimized OpenAI function calls to enhance application performance, Led to a 30% uplift in processing speed.
- Incorporated Gemini AI and Mistral AI support as fallback mechanisms using LangChain for easy switching between LLMs, reducing response time to 40% of OpenAI's response time, providing faster responses in case of OpenAI unavailability.
- Introduced self-learning initiatives to enhance team performance, resulting in a 30% increase in project completion rates and a 15% reduction in error rates.
- Engineered advanced matching algorithms to reconcile credit and debit items with 98% accuracy, enhancing the overall data reconciliation process and reducing manual efforts by 75%.

PROJECTS

SRKREC Alumni Association of North America Website

https://www.thesaana.org

- Designed and developed a website for SRKREC alumni in North America, serving a user base of over 500 members and facilitating seamless access to classmate information and event details.
- Implemented robust user authentication measures, ensuring secure access to sensitive data and providing a personalized experience for every registered member.
- Integrated PayPal for membership and event payments.
- Integrated Google reCAPTCHA to enhance security during registration and login processes, successfully blocking over 90% of potential bot attacks and safeguarding user data integrity.

Document Translator

https://doc-translate.vercel.app/

- Translates documents into 103 languages with 98% accuracy.
- Summarizes and translates document content with 80% accuracy.
- Supports various document formats and text-to-speech for accessibility.
- Built with Google Cloud Vision API, OpenAI, Azure Form Recognizer API, Azure Translation API, Speech to Text API.

BuzzShare App

- Developed a React Native Expo application enabling real-time creation and viewing of user-generated posts and text-based content, resulting in a 25% increase in user engagement.
- Implemented Firebase Authentication and Cloud Firestore, improving security by 90%, reducing unauthorized access, and boosting response times by 40%.
- GitHub Repository: https://github.com/sivasai9849/posts-app.git

TECHNICAL SKILLS AND INTERESTS

Languages: C, Java, Python, Javascript, HTML+CSS,R
Libraries : React JS , Next JS
Tools: VScode, Git, Github, Docker, Postman
Frameworks: React Native, Tailwind CSS, FastAPI, Temporal, Express Js,Node Js
Cloud/**Databases**:MongoDB, Firebase, Relational Database(mySql,PostgreSql), Microsoft Azure, Supabase
Areas of Interest: Web Design and Development,App Development

EDUCATION

Bachelor of Technology in Computer Science and Design   2021-2025
Sagi Ramakrishnam Raju Engineering College, Bhimavaram   CGPA: 8.81
Intermediate (M.P.C)   2019-2021
Sri Chaitanya Junior College, Vijayawada   Percentage: 95.6