Boppana Kumar Satya Sri Ram

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EDUCATION

Gayatri Vidhya Parishad College of Engineering, Vishakapatnam   **2021-2025**

 B Tech Computer Science Engineering (CSE) (7.8 CGPA)

Sasi Junior College , Velivennu   **2018-2020**

 Intermediate MPC (93.4%)

Bhashyam High School, Kakinada   **2017-2018**

Secondary (X) (10 CGPA)

SKILLS

Languages: C++, JavaScript, SQL, Python.
Databases: MongoDb, MySQL.
Core Specialization: Web Development, Data Engineering, Frontend Development, Data Structures and Algorithms.
Technologies: ReactJS, HTML5, CSS3, Tailwind CSS, UI, UX.
Aspiring skills: UI/UX design, Artificial Intelligence, Generative AI.
Tools: Excel, PowerPoint, Figma.
Platform: Visual Studio Code, GitHub, Notion.
Languages: English (fluent), Telugu(fluent), Hindi(basic).

PROJECTS

MyGVP Extension & CLI Tool | GitHub

- **Developed, deployed, and integrated MongoDB to enhance result retrieval and storage, achieving 200+ installations across platforms.**
- **Implemented web scraping** to fetch student results based on registration numbers.
- **Integrated local storage** for offline access, ensuring seamless result retrieval.
- **Utilized React and Node.js** to build a responsive and efficient platform.
- **Extra features:** Custom batch year selection and result caching for faster access.

PDF-Based RAG System | GitHub

- **Implemented PDF upload functionality** to process and extract text using **PDFPlumberLoader**.
- **Integrated LangChain text splitters** to efficiently **chunk and index** document content.
- **Developed a vector-based retrieval system** using **OllamaEmbeddings** and **InMemoryVectorStore**
- for fast and accurate searches.
- **Designed a seamless chat interface** where users can ask questions and get **context-aware responses** based on the uploaded PDF.
- **Utilized Ollama LLM** to generate precise answers, ensuring high accuracy.
- **Deployed the application** for real-time accessibility and usage.

ACHIEVEMENTS

- Secured **4th place** in the **APSCHE State Level Quiz Championship** as part of a two-person team, demonstrating **strong teamwork, problem-solving skills, and competitive knowledge**.

- Achieved **800+ installations** on **NPM and Extension stores**, reflecting the **impact and usability** of developed tools among users.