Akhil Kompally

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Career Objective

Software Developer enthusiast with strong skills in JavaScript,Java and full-stack development using the MERN stack. Experienced in building real-world applications with RESTful APIs and database integration. Passionate about problem-solving and writing clean, efficient code. Currently exploring Talend, Snowflake, and AWS to enhance cloud and data integration capabilities.

Education

Keshav Memorial Engineering College   **2022 − 2026**
B.E in Computer Science Engineering (AIML) **GPA: 8.33/10**   *Hyderabad, India*

Excel Junior Collage   **2020 − 2022**
Intermediate (MPC) **Percentage: 96**   *Hyderabad, India*

Narayana High School   **2019 − 2020**
State Board High School **GPA: 10/10**   *Hyderabad, India*

Projects

Briefly   **Jun 2025 − Jun 2025**
🐙 *Link | MERN Stack, GraphQL, Redis, AI Summarization*

- Architected and deployed a scalable **news feed application** with real-time data processing and **AI-powered summarization**.
- Implemented high-performance backend using a **Redis caching layer**, reducing API response latency by **70%**.
- Integrated a **machine learning summarization engine** to extract key points from articles, enhancing user engagement and content accessibility.

Magic Board   **Oct 2024 − Nov 2024**
🐙 *Link | React.js, Canvas API, Google Gemini AI*

- Engineered an intelligent canvas-based web application utilizing HTML5 **Canvas API and machine learning integration** to solve handwritten mathematical problems with accuracy rate using **Google Gemini AI** for problem recognition and solution generation.
- Architected responsive frontend with React.js functional components, Tailwind CSS utility classes, and **ShadCN/UI** component library, ensuring **cross-platform compatibility** and mobile-responsive design with Lighthouse performance scores.
- Built a mobile-friendly interface using **React.js**, **Tailwind CSS**, and **ShadCN/UI**, optimized for performance and responsiveness.

Chat With Author   **Apr 2024 - Oct 2024**
🐙 *Link | StreamLit, NLP , Generative AI*

- Developed a Streamlit application enabling users to upload any PDF document for analysis, leveraging **GoogleGenerativeAIEmbeddings** and **FAISS** to create a searchable vector database of the PDF's content.
- Implemented a system to chunk uploaded PDFs, generate **vector embeddings** for each chunk, and store them in a FAISS index, allowing for efficient similarity searches based on user queries.
- Integrated LangChain and Gemini-Pro to create a **conversational AI assistant** within the Streamlit app, providing users with **context-aware** answers extracted from their uploaded PDF documents.

Skills

Programming Languages: Java (OOP, DSA), Python, JavaScript (ES6), SQL
Web Development: HTML, CSS, MERN Stack, REST API, GraphQL
Frameworks & Libraries: React.js, Express.js
Databases & Tools: MongoDB, MySQL, Redis, MongoDB Compass, MySQL Workbench
Dev Tools & Platforms: Git, GitHub, Postman, Talend, Snowflake, AWS (Basics), Puppeteer, ShadCN UI, Chart.js, Clerk, getStream.io
Core CS Concepts: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks