

Akhil Kompally

+91 8498072762 | ✉ akhilkompally966@gmail.com | 🌐 KompallyAkhil | 📄 akhilkompally | 🌐 Portfolio

Education

Keshav Memorial Engineering College

B.E. in Computer Science Engineering (AIML), GPA: 8.33/10

2022 – 2026

Hyderabad, India

Experience

Teleparadigm Networks

Software Engineer Intern

Dec 2025 – May 2026

Hyderabad, India

- Built a **Full Stack** application using **ReactJS** and **Tailwind CSS**, created endpoints using **FastAPI**, integrating them within the application.
- Developed an **Agentic AI workflow** using **CrewAI** and **Llama 3.3-70B**, orchestrating **5 sub-agents** across **4+ APIs** with autonomous **multi-step reasoning**.
- Containerized and optimized **computational pipelines** using **Docker**. Reduced computation time from **5–7 minutes to under 1 minute**, achieving an **~85% reduction** in response latency.

Skills

- **Programming Languages:** Python, JavaScript (ES6+), Java, SQL
- **Front-End Development:** Next.js, React.js, HTML5, CSS3, Tailwind CSS, ShadCN UI
- **Back-End Development:** Node.js, Express.js, FastAPI, RESTful APIs, GraphQL, LangChain, LangGraph, Docker
- **State Management:** Redux, Context API
- **Databases:** MongoDB, MySQL, Redis, Snowflake
- **Tools & Practices:** Git, GitHub, Postman, AWS, Talend, Puppeteer, Snowflake, Chart.js

Projects

🌐 **NexScreen**

🔗 Live Demo

- Architected a full-stack **AI candidate screening platform** using **Next.js** and **FastAPI**, containerized with **Docker Compose** to streamline deployment and reduce environment setup time by **80%**.
- Engineered a dual-branch AI scoring engine using **LangGraph** and **LangChain**, combining **SentenceTransformers** for **semantic search** and a **Groq-powered LLM** to evaluate resumes, improving matching accuracy by **40%** and reducing screening time by **65%**.
- Implemented robust document parsing via **PyMuPDF** to achieve **95%+** data extraction accuracy across unstructured layouts, and integrated **LangSmith** for end-to-end tracing, debugging, and evaluation of LLM workflows to ensure transparency and reliability.

🌐 **MagicBoard**

🔗 Live Demo

- Built an **AI-enabled blackboard application** using **React.js** and **Node.js** that integrates **Google Gemini AI** to recognize handwritten math equations and solve them in real time – demonstrating direct experience **embedding AI capabilities into software**.
- Designed and consumed **RESTful APIs** to communicate with the Gemini AI backend, enabling seamless **AI model integration** and supporting intelligent application workflows.
- Implemented **Text-to-Speech voice synthesis** and **AI image generation** for solution visualization, improving accessibility and boosting user engagement by **40%** across multiple device formats.

🌐 **Leetcodolio**

🔗 Live Demo

- Developed a full-stack analytics platform with **React.js** and a **Node.js backend**, integrating **Chart.js** for dynamic performance visualization across **100+ tracked problems**.
- Engineered an automated **data pipeline using Puppeteer** for web scraping with **95% extraction accuracy**, demonstrating ability to work across backend services and application integrations.
- Built a multi-profile **comparison feature** for competitive benchmarking and enhancing analytics using **Chart.js**