AKIL KRISHNA

Ashland, MA

📞 +1 (508) 310-8036   ✉ krsna.akil@gmail.com   in Akil Krishna

EDUCATION

Chaitanya Bharathi Institute of Technology   **2021 − 2025**
B.E - Computer Science and Engineering - **CGPA** *-* **9.5**   *Hyderabad, India*

WORK EXPERIENCE

Salesforce 🔗   **May 2024 − July 2024**
Associate Member of Technical Staff Intern   *Hyderabad, India*
- Optimized **Apex classes** to integrate customer data with Salesforce Trailhead, streamlining case logging and improving support workflows.
- Assisted in OrgCS Service Cloud migration to enhance system reliability and scalability; redesigned proactive monitoring email templates for cross-client compatibility and integrated **Einstein GenAI** capabilities for intelligent alerting.

Oracle 🔗   **Jan 2025 − Jul 2025**
Project Intern   *Bengaluru, India*
- Migrated **20+** legacy **Billing and Revenue Management** modules to a cloud-native **Kubernetes-Docker** architecture, reducing deployment time by 60%, enabling zero-downtime rollouts and improving observability through enhanced logging and monitoring.
- Redesigned container entrypoints and Dockerfiles, reducing pod startup time from 12s to 5s and slashing image sizes by 50%, enhancing runtime performance and build pipeline speed.

PROJECTS

Hacktoberfest Hackathon'23 - CBIT Official Website | NextJS, Tailwind CSS, Firebase   **Oct 2023**
- Developed a scalable Hacktoberfest website using **Next.js**, **Astro.js**, and **Tailwind CSS**, maintaining 90% uptime. Engineered a real-time problem selection platform integrated with Firebase Realtime DB, successfully handling 1000+ concurrent users with minimal latency

CLI Application for Server Benchmarking | Python, Shell Scripting   **May 2023**
- Developed a **CLI tool** to perform CPU, GPU, network and I/O profiling and obtain benchmarks to generate detailed performance reports. Integrated a **recommendation engine** to provide insights for optimization.

Fuzzy Typographical Semantic Search | Python, BERT, Hugging Face   **Dec 2023**
- Developed a novel algorithm for information retrieval that accommodates typographical errors and nuanced meanings, using **BERT-based models** for text encoding and tokenization using **typographical, semantic and fuzzy search**.

EST8.ai | D-Wave, AWS Braket, spaCy, Streamlit   **Mar 2023 − Jun 2023**
- Developed a real estate prediction model using **quantum computing** (D-Wave) and **quantum machine learning** (Penny Wave) to analyze vast datasets. Deployed on **AWS Amazon Braket**, achieving 85% prediction accuracy.

CCTV Crime Video Grounding System | STVG BERT, SlowFast R50, CLIP, LangChain   **Dec 2024**
- Developed a **CCTV crime identification system** using **STVG BERT**, **SlowFast R50**, and **CLIP** for video grounding on the basis of a input query. Integrated a **RAG pipeline** with **LangChain** for contextual event localization.

TECHNICAL SKILLS

Languages: Python, Javascript, C, SQL, NoSQL, R, Apex
Technologies/Frameworks: ReactJS, NextJS, Flask, Django, NodeJS, Mongo, FastAPI, Tensorflow, Langchain, Kubernetes, Docker, Git & GitHub
Other Skills: Agile Methodology, Project Management, Product Management, Process Planning

PUBLICATION

Cross Attention Based Video Temporal Grounding and Moment Localization for CCTV Crime Identification, published in **IEEE Xplore**

LEADERSHIP EXPERIENCE

CBIT Open Source Community   **Dec 2022 − Dec 2024**
Vice President   *Hyderabad, India*
- Led and scaled CBIT Hacktoberfest'23 with **1000+** participants; developed a full-stack event website and live problem-solving portal to enable real-time submissions and leaderboard tracking.
- Organized and facilitated 10+ technical workshops on Flask, ML, Web3, GitHub, and GSoC; mentored 1000+ students in version control systems and open-source development best practices.