

# JAINI SAI ABHIRAM

Hyderabad, India

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## Technical Skills

**Languages:** Java, JavaScript, TypeScript, Python.

**Tools:** Git, GitHub, Postman.

**Web Development:** ReactJS, TailwindCSS, NodeJS, ExpressJS, Prisma, Drizzle, NextJS.

**Databases:** MongoDB, PostgreSQL, MySQL, Redis.

**AI/ML:** LangGraph, Groq API, FastAPI.

**DevOps:** AWS EC2, Docker, CI/CD using GitHub Actions, Nginx.

## Experience

### Experian

October 2024 – February 2025

*Associate Software Engineer*

- Led the migration of **Experian Verification Services UI** from Angular 16 to Angular 21, rebuilding the codebase from scratch with improved architecture.
- Enforced production-grade best practices including lazy loading, standalone components, and signal-based state management aligned with Angular 21 standards.

### Copart

July 2024 – October 2024

*DevOps Engineer Intern*

- Automated infrastructure workflows using StackStorm, redesigning existing workflows for Squid proxy servers to support Copart's internal domain-specific requirements.
- Integrated StackStorm actions with Slack, enabling employees to seamlessly create ACL entries for Squid proxy servers through a self-service interface.

## Projects

### GreenBranch – Autonomous DevOps Agent for CI/CD Pipeline Healing ↗

GitHub

- Built an **autonomous DevOps agent** that detects, analyzes, and fixes failing CI/CD pipelines using AI – no manual intervention required.
- Designed a **microservices architecture**: Next.js frontend, a **LangGraph + Groq LLM** healing pipeline that iteratively runs tests, generates fixes, and raises a **pull request** automatically.
- Streamed real-time progress via **WebSockets** and managed isolated test environments using **Docker** and **Redis** for session storage.
- Tech Stack:** Next.js, TypeScript, Python, FastAPI, LangGraph, Groq API, Docker, Redis, GitPython
- DevOps:** Docker, GitHub Actions (CI/CD), AWS EC2, Nginx, Vercel

### Interactify – A Highly Scalable Real-Time Audience Interaction Platform ↗

GitHub

- Developed a **real-time interactive platform** that enhances audience engagement during live sessions by enabling question submissions, voting, and presenter monitoring.
- Implemented a highly scalable **WebSocket-based communication system** leveraging **Redis Pub/Sub** for efficient message distribution, capable of handling **10,000+ concurrent users**.
- Integrated **Kafka** to handle high-throughput question events and ensure reliable message processing.
- Tech Stack:** Next.js, TypeScript, Node.js, WebSockets, Redis, Kafka, MongoDB
- DevOps:** Docker, GitHub Actions (CI/CD), AWS EC2, Nginx, Vercel

## Education

### Keshav Memorial Engineering College (Osmania University)

8.09 CGPA

*Bachelor of Engineering in Computer Science Engineering*

2021 – 2025

## Achievements

### Smart India Hackathon – 2023 ↗

December 2023

*Finalist – Conducted by the Government of India*

- Built a waste upcycling project **“Resculpt”** and reached the national finals.

### IDE Bootcamp – 2024 ↗

April 2024

*Innovation Design and Entrepreneurship Bootcamp*

- Delivered a **compelling pitch for a business idea** before a panel of jury members