

Akhil Sai Boppudi

📍 Bengaluru, Karnataka

✉ akhilsaiboppudi@gmail.com | 📞 +91-6301606734 | [🌐 LinkedIn](#) | [📄 Github](#) | [📁 Portfolio](#) | [🔑 Leetcode](#)

SKILLS

Languages: JavaScript, Java, TypeScript, Python, SQL

Developer Tools: Docker, Git, GitHub Actions, Terraform, Kubernetes

Technologies/Frameworks: AWS (Lambda, S3, ECS, ECR), Angular, React.js, Express.js, Kafka, Next.js, Node.js, React-Native, Redux, Redis, TailwindCSS, TanStack, gRPC

Engineering Practices: CI/CD, Component-Driven Development, DSA, REST API, Project Ownership, System Design, Distributed Systems, Microservices, Event-Driven Architecture

EXPERIENCE

Clarivate Analytics

Bengaluru

Software Engineer

July 2025 – Present

- **Optimized CI/CD** pipelines by implementing parallel job execution, caching strategies, and pruning redundant stages, reducing build times by **67%** from **45 mins to 15 mins** and accelerating release velocity.
- **Designed** and developed a centralized data management application that allows administrators to perform create, update and synchronize institutional data and manage researchers, organizations and their publications from a single interface.
- **Built** a scalable service-oriented architecture using **gRPC** for fast and reliable communication between application and backend systems, data consistency and fast CRUD operations across distributed services.

Drishya AI Labs

Vizianagaram

Jr Software Engineer

Apr 2025 – June 2025

- **Engineered** a multi-level backup and restore mechanism with versioning to support reliable data archiving and seamless migration, ensuring data integrity and minimizing downtime during system transitions or failures.
- **Engineered** and deployed **secure authentication** mechanisms across distributed microservices, ensuring **consistent access control** and significantly **enhancing system security**.

Drishya AI Labs

Vizianagaram

Software Intern

Sep 2024 – Mar 2025

- **Architected** a provider-agnostic cloud abstraction library in Typescript that enabled seamless AWS-to-Azure migration, applying **adapter design pattern** and **dependency injection** principles, reducing cross-platform integration time from 2 weeks to under 2 days and boosting team velocity by **35%**.
- **Developed and deployed** Kubernetes clusters to efficiently orchestrate and scale microservices, enhancing **system reliability and scalability**.

EDUCATION

Jawaharlal Nehru Technological University Gurajada Vizianagaram

Andhra Pradesh

B.Tech in Computer Science and Engineering (Grade: 7.9)

Aug 2021 – May 2025

Sri Chaitanya Junior College

Andhra Pradesh

(Grade: 96%)

June 2019 – May 2021

Sri Chaitanya School

Andhra Pradesh

(Grade: 91%)

Aug 2018 – May 2019

PROJECTS

RecShare - A Screen Recording and Sharing Application - Tanstack Start, React Query, Nodejs

- Developed a screen recording and sharing platform using **Cloudflare R2** for scalable video storage and **TanStack**(Tanstack start, React Query) for a fast, interactive frontend experience.

Course Application Website - Html, Css, Django

- Developed a web application used by over 500 students for course registration, with a 20% increase in honors and minor course applications.

Compiler for C - Sly Python Package

- Developed a **C compiler** capable of handling both **conditional and iterative** statements