

GAUTAM SIDHANTH

Bhubaneswar, Odisha

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EDUCATION

Vellore Institute of Technology, Bhopal

August 2021 – October 2025

Bachelor of Technology in Computer Science Specialization with AIML

CGPA: 7.85

COURSEWORK / SKILLS

- | | | | |
|----------------------|--------------------------------------|-----------------|---------------------------|
| 1. Operating Systems | 3. Database Management System (DBMS) | 4. DevOps | 6. Full Stack Development |
| 2. Computer Network | | 5. OOPS Concept | |

PROJECTS

URL-Shortener 🔗 | AWS, Redis, Nginx, Docker, PostgreSQL

October 2025 - November 2025

- **Designed** a horizontally scalable **URL shortening** service with **Apache ZooKeeper**-based coordination to ensure collision-free key generation.
- **Reduced** redirect latency by **65%** using **Redis** caching with adaptive TTL and controlled cache eviction.
- **Implemented** fault-tolerant request handling using **Nginx** load balancing and process recovery.
- **Deployed** on **AWS EC2** with auto-scaling policies, sustaining **99.9% availability** during traffic spikes.

Demo: [Live site here](#)

Source: [github.com/Url-Shortener](https://github.com/gautam/Url-Shortener)

Interview-AI 🔗 | Next.js, TypeScript, Stream, Convex, Clerk

December 2024 - January 2025

- **Created** a video calling interview with **video call**, **screen sharing**, and **recording** for **100+** interviews.
- **Executed** a secure **authentication** and role-based access, improving scheduling by 30%.
- **Developed** a **Monaco**-based code editor with **syntax highlighting** and **auto-complete**.
- **Architected** a **responsive UI** with **Tailwind CSS** & **Shadcn UI**, featuring **dark mode** and **resizable panels** for better user experience.

Demo: [Live Server here](#)

Source: [github.com/Interview-AI](https://github.com/gautam/Interview-AI)

EXPERIENCE

MeetMux By Altrodav Technologies Pvt. Limited 🔗 | Docker, CI/CD, AWS, Kubernetes

DevOps Intern

April 2025 – June 2025

- * **Integrated** backend on **AWS EC2** with **Docker**, **NGINX**, and **GitHub Actions**, cutting deployment time by **70%**.
- * **Built** **CI/CD** pipelines using **GitHub Actions** and **Jenkins**, improving release efficiency by **40%**.
- * **Delivered** on ECS with ECR, S3, ALB, and autoscaling, achieving **99.9% uptime** and robust scalability.
- * **Managed** **Android/ios** deployments, fixed **20+** deployment bugs, and containerized services with **Docker** and **Kubernetes**.

TECHNICAL SKILLS

Languages: C/C++, JavaScript (ES6+), TypeScript, SQL (Postgres), NoSQL (MongoDB), HTML5, CSS3

Tools & Platforms: Git, GitHub, Docker, Kubernetes, GitOps, AWS (EC2, ECS, ECR, EKS, S3, ALB, CloudFront, DynamoDB, RDS, Lambda, VPC), DigitalOcean, Vercel, Cloudflare Workers, Nginx, CI/CD (GitHub Actions, Jenkins)

Databases & ORMs: PostgreSQL, MongoDB, Prisma, Mongoose

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Recoil, Zod, NextAuth, Tailwind CSS, Shadcn UI, Material UI

DevOps & System Design: Containerization, Load Balancers, Docker Swarm, Helm, Monitoring (Prometheus, Grafana), Serverless, OpenAPI, Turborepo, Redis, Kafka, WebRTC, WebSockets, JWT Auth, gRPC, Testing (Unit Testing, Integration Testing, End to End Testing), Scaling & Resiliency

CERTIFICATIONS

- Google Cloud Digital Leader