

# GAUTAM SIDHANTH

Bhubaneswar, Odisha

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## EDUCATION

### Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science Specialization with AIML

August 2021 – October 2025

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](#)

### 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](#)

## 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