

SANGHRAKSHIT GAUTAM

Dehradun, Uttarakhand 248005

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EDUCATION

Dr. B.R. Ambedkar National Institute of Technology Jalandhar
B.Tech in Computer Science and Engineering | 2021 - 2025

Jalandhar, Punjab

EXPERIENCE

SCHOOL HACK

June 2024 - July 2024

DevOps Intern

REMOTE

Deployed applications and managed data persistence in Azure Kubernetes Service (AKS). Configured monitoring and visualization tools, and implemented GitOps practices to enhance deployment workflows.

SKILLS

- **Programming Languages:** C/C++, TypeScript, JavaScript, SQL
- **Web Technologies and Frameworks:** Next.js, Node.js, React, Express, Turborepo, TailwindCSS
- **Libraries and Tools:** NextAuth, WebSockets, WebRTC, Zod
- **Containerization and Orchestration:** Docker, Kubernetes, CI/CD
- **Database Management Systems:** PostgreSQL, MongoDB, Prisma, Redis
- **Cloud and Deployment Services:** Amazon Web Services, Azure
- **Developer Tools:** VS Code, Git, GitHub, Postman

PROJECTS

CryptoxAI | Next.js, Nodejs, Express, Prisma, Docker, Kubernetes, CI/CD

2024

- **Web Lead:** Directed development of a cryptocurrency exchange with 2 Node.js microservices and a machine learning microservice, increasing transaction speed by 25%
- Dockerized and launched application using Kubernetes clusters with 2 worker nodes and a control plane, ensuring scalability and high security.
- Engineered backend logic for the web application, implementing secure authentication with NextAuth.js and integrating microservices, reducing authentication errors.

NexMeet | Next.js, Stream Video SDK, NextAuth, Postgres, Prisma, Zod

2023 - 2024

- Engineered a robust video conferencing application using Stream Video SDK and Next.js, supporting real-time communication for over 10 concurrent users.
- Implemented seamless meeting creation and joining features, significantly enhancing user experience and reducing meeting setup time by 50%.
- Fortified data security using NextAuth.js for robust user authentication and authorization.
- **Application Preview:** [🔗](#)

Walletify | Turborepo, Next.js, Node.js, React, Express, Prisma

2024

- Led the development of a digital wallet platform integrating 3 Node.js microservices and 2 Next.js full-stack applications, centralizing workflows using Turborepo.
- Enhanced data integrity and secured data access using PostgreSQL and Prisma, implementing NextAuth for robust user authentication, significantly reducing unauthorized access attempts.

COURSEWORK

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|----------------------------------|-------------------------------|------------------------------|---------------------|
| • Data Structures and Algorithms | • Object-Oriented Programming | • Database Management System | • Operating Systems |
| | | | • Computer Networks |

CERTIFICATIONS/ACHIEVEMENTS

- Winner of the On-Demand x NITJ Hackathon 2024: Developed AI-centric plugins, competing against over 15 teams, and earned top honors for innovation and technical excellence.
- Solved 500+ data structures and algorithm problems on LeetCode and other coding platforms. [🔗](#)
- 100xDevs Cohort 2 Certification: Mastered the MERN stack, DevOps practices, and system design, contributing to open source projects and gaining comprehensive hands-on experience through contributing. [🔗](#)
- Achieved Certification in Fundamentals of Operating Systems to advance software application efficiency. [🔗](#)
- Certified in Azure Kubernetes Service: Earned Certification in managing containerized applications in AKS and Azure Devops. [🔗](#)