

# DAKSH KUMAR

Rewari, Haryana 123401

📞 768-899-2293 📩 rao.daksh555@gmail.com 💬 LinkedIn 🌐 Github 🌐 Portfolio

## Education

### Indian Institute of Information Technology - Sri City

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.98/10.0

Apr 2023 – Present

Sri City, Andhra Pradesh

## Relevant Coursework

- |                       |                           |                         |                   |
|-----------------------|---------------------------|-------------------------|-------------------|
| • Data Structures     | • Artificial Intelligence | • Computer Architecture | • Computer Vision |
| • Cloud Computing     | • Operating System        | • OOP's                 | • HPC             |
| • Database Management | • Computer Networks       | • Machine Learning      |                   |

## Experience

### SmallGroup

Aug 2025 – Present

Remote

Full-Stack Engineering Intern

- Built a full-stack stock scoring platform for U.S. equities using **Next.js** and **FastAPI**, enabling users to evaluate and compare stocks based on multiple financial and performance metrics.
- Designed and implemented REST APIs to compute and serve stock scores, reducing client-side computation and improving page load times by **30%**.
- Developed a self-deployment and environment management system to deploy and manage **dev** and **prod** environments across multiple services, improving deployment reliability and repeatability.
- Automated build, deployment, and service orchestration workflows, reducing manual deployment effort by **60%** and minimizing configuration drift between environments.
- Collaborated with engineers to standardize deployment practices across projects, contributing to faster iteration cycles and more stable production releases.

### Enigma Club

Oct 2023 – Present

College

Co-Lead

- Led and conducted Capture The Flag (CTF) sessions, helping participants develop skills in reverse engineering, cryptography, web exploitation, and binary exploitation.
- Developed a RAM injection tool for Linux, exploring low-level memory manipulation, process injection techniques, and system security vulnerabilities.
- Explored debugging techniques using GDB, memory forensics, and Linux system calls to enhance troubleshooting and system analysis.

## Projects

### Pingio | React, Nodejs, MongoDB, JWT, Cloudinary, Socket.io, DaisyUI

[Github](#)

- Built a full-stack real-time chat application using React, Node.js, and MongoDB, enabling users to chat and share images through a responsive and modern interface with DaisyUI.
- Integrated Socket.io to power real-time messaging features like instant delivery and typing indicators, achieving sub-100ms message latency for a smooth user experience.
- Implemented JWT-based authentication and Cloudinary integration, ensuring secure user sessions and optimized image sharing, reducing media load times by 40%.

### Rippl | Nextjs, PostgreSql, Authjs, Prisma, Cloudinary

[Github](#)

- Developed a full-stack social media platform using Next.js, leveraging server-side rendering to achieve a 50% faster initial page load for dynamic content like user feeds and posts, significantly improving user engagement and SEO.
- Architected a scalable backend with Prisma and PostgreSQL, designing a complex relational schema to efficiently model users, posts, comments, likes, and follower relationships, accelerating API response times for feed generation by 35%.
- Implemented a secure authentication system using Auth.js for robust user and session management, thereby mastering the development of feature-rich social platforms by ensuring data integrity and optimizing interactive features within a modern Next.js architecture.

### RAM Injection Project | C, ptrace, GDB, Linux

[Github](#)

- Developed a RAM injection tool on Linux, allowing manipulation of running processes.
- Explored low-level memory manipulation techniques using C and Linux system calls
- Gained expertise in process injection, memory forensics, and debugging.

## Technical Skills

**Languages:** C/C++, Java, GO, JavaScript, TypeScript, Python, HTML/CSS, SQL, BashScript

**Technologies:** Node.js, EJS, Next, React, Redux, Hono.js, Prisma, REST, FastAPI, Turborepo, Pub/Sub

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

**Cloud & DevOps:** AWS, Docker, Cloudflare Worker, NGINX, CI/CD

**Developer Tools:** Git, Vim/Neovim, GDB, Wireshark, Postman, Linux System Calls