

# Nihal Kumar

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## SUMMARY

Full stack software developer with a good understanding of Next.js, React.js, and Redux for creating interactive user interfaces. Comfortable with backend development using Node.js and Express, and skilled in working with REST APIs.

Additionally, experienced in DevOps practices, including CI/CD pipelines, containerization with Docker, and cloud deployment on AWS, ensuring efficient software delivery and infrastructure management.

## TECHNICAL SKILLS

- **Frontend** - ReactJS, NextJs Javascript/Typescript
- **Backend** - Node.js, Express.js
- **Database** - PostgreSQL, MySQL, MongoDB
- **DevOps** - Jenkins, Docker, Kubernetes, aws
- **Leetcode**: <https://leetcode.com/u/thisisnihal/>
- **Codeforces**: <https://codeforces.com/profile/nihal06>

## PROJECTS

### Sudoku Game

- **Live website**: [\[Links\]](#)
- **Source code**: [\[Links\]](#)
- **Tech Stack**: ReactJs & NextJS
  - Frontend Development using reactjs, tailwindcss
  - Used Context API for state management

## **Shortly URL Shortener**

- **Source code:** [\[Links\]](#)
- **Tech Stack:** Nodejs, expressjs, React
  - Frontend Development using reactjs, tailwindcss
  - Backend Development using expressjs
  - Authentication using PassportJs and JWT with Google OAuth 2.0
  - Used MongoDB as database for fast access of Short links

## **Jenkins on AWS EC2 with Docker and GitHub Integration**

- **Blog Article:** [\[Links\]](#)
- **Tech Stack: Docker, Jenkins, GitHub**
  - Designed and implemented Jenkins Pipelines for continuous integration and continuous deployment (CI/CD), optimizing the build and deployment processes.

## **EDUCATION**

### **Bachelor of Engineering in Computer Science & Engineering (Data Science)**

CMR Institute of Technology, Bangalore

2022 – 2026