

Nikhil Singh

✉ ns345360@gmail.com ☎ +91 7984871756 🔗 <https://www.linkedin.com/in/nikhil-singh-a025b025b/>
🌐 <https://github.com/knix98>

Self-motivated and hardworking software engineer, experienced in writing scalable, modular and secure code in JavaScript, C++ and MySQL at a SaaS product based startup, having strong base in data structures and algorithms and problem solving at scale.

📁 PROFESSIONAL EXPERIENCE

Interactly Solutions Pvt Ltd ✨

Backend Developer

04/2023 – present

- **Backend Lead** amongst a team comprising of 2 backend developers.
- **Designed and implemented majority of the backend code** from scratch for the 2 company products :
 - Personaliz.ai ✨
 - Interactly.video ✨
- **Optimized code for bulk video generation**, achieving 100% CPU utilization and preventing task backlog, **resulting in a 45% increase in throughput** and minimal memory usage.
- **Improved efficiency in a separate video generation process** by isolating common elements across a campaign, **reducing video generation time by 20%**.
- Conducted interviews for over 15 backend developer candidates, hence helped with organizational tasks also.
- **Tech Stack: Node.js, MySQL, FFmpeg, AWS S3, Jenkins, Nginx and Git.**

Backend Developer Intern

03/2023 – 03/2023

- **Implemented JWT based authentication** in the product for all the APIs serving the user after logging in.
- **Integrated Stripe subscription-based payment system** into our products.
- Designed and **implemented a graph-DFS algorithm** to streamline delete APIs.

🎓 EDUCATION

B.E. / B. Tech (NIT Surat)

2017 – 2021 | Surat

Sardar Vallabhbhai National Institute of Technology

CGPA - 9.28/10, amongst **Top 10 in a batch of 220** students of my department.

12th, Science

2015 – 2016 | Ahmedabad

Utopia School

89.4%

10th

2013 – 2014 | Gandhinagar

Hillwoods School

CGPA - 9.8/10

🧠 SKILLS

Programming Languages

C++, JavaScript, HTML, CSS, Typescript

Data Manipulation

MySQL, MongoDB

Web Technologies

Node.js, Express, React, AWS S3

Others

Data Structures, Algorithms, OOPS, GIT, Operating System, DBMS, Computer Networks

📁 PROJECTS

Whatsup ✨

01/2023

Social Media App

- Developed a **full-stack social media app**, with features like user login, posting, liking, commenting, adding/removing friend, etc.
- Used **JWT** for Authentication and Authorization.
- Tech stack: **MERN**
- GitHub links: <https://github.com/knix98/whatsup-frontend> ✨ <https://github.com/knix98/whatsup-backend> ✨

React-Ipod App ✨

10/2022

- Developed an interactive and functional, Ipod like app using only **React**.
- Implemented a feature (using **ZingTouch** library) through which users can navigate amongst different menu-items by doing a circular motion with pressed cursor over the Ipod buttons.
- GitHub link: <https://github.com/knix98/React-Ipod> ✨

COURSES

Data Structures in C++

Coding Ninjas (Click to view Certificate Of Excellence)

Full Stack Web Development

Coding Ninjas (Click to view Certificate Of Excellence)

System Design

Coding Ninjas (Click to view Certificate Of Excellence)

Competitive Programming

Coding Ninjas (Click to view Certificate Of Completion)