

ROSHAN KANWAR

github.com/roshan0708 | linkedin.com/in/roshan0708/ | roshan0708.github.io | rkanwar0708@gmail.com | +91 9644167494

Education

Indian Institute of Technology (Indian School of Mines) Dhanbad

2018 - 2023

- Integrated Master of Technology (i.M.Tech.) in Mathematics and Computing

Skills and Interests

Programming Languages: C/C++, JavaScript (Es6, TypeScript), HTML, CSS

Web Based Technologies: React.js, Redux, SCSS, Material UI, Bootstrap, Recharts, Node.js, Express.js, and Mongoose.js

Others: MongoDB, Firebase, PostgreSQL, JIRA, Git, GitHub, GitLab, BitBucket, and Linux

Interests: Software Engineering, Data Structures and Algorithms, Frontend Engineering, and Backend Engineering

Work Experience

Karkhana App | Software Development Engineer Intern

Mar 2021 - Apr 2021

- Improved the performance of web applications by debugging more than **50%** of the major problems within one month.
- Developed **30+** Figma wireframes by writing high-performance, reusable code using **SASS, React.js**, and **Redux**.
- Implemented a set of new **RESTful API** endpoints to power front-end systems by using **Node.js, Express.js**, and **MySQL**.

Happiest Neurons | Software Engineer Intern

Sep 2020 - Oct 2020

- Cooperated and worked in a team of **10+** members for the efficient and well-structured development of the product.
- Programmed the **UI/UX** of the product through iterating **20+** prototypes by utilizing **SASS, React.js, Redux, Material UI**.

Relive Technology | Software Engineer Intern

Jul 2020 - Aug 2020

- Spearheaded **2+** end-to-end web development projects by collaborating with an internal web developers team.
- Oversaw full software development lifecycle for projects with **100%** on-time delivery while staying **20%** under budget.
- Scripted a server code that **accelerated** document generation and search functionality by **20%** using **Node.js, Express.js**.

FindMind Analytics | Software Engineer Intern

Jun 2020 - Aug 2020

- Strategized a plan to boost **navigation** by **50%**, **accessibility** by **21%**, **performance** by **10%** of the existing product.
- Translated **30+** prototype into mobile-responsive web pages using **SASS, React.js, Redux, Recharts**, and **Material UI**.

Technical Projects

MeTalk – github.com/roshan0708/MeTalk – React.js, Redux, Semantic-UI, and Firebase

- Created a group/one-to-one **chat application** using **Firebase** with capabilities of joining “groups” of other hosts.

HealthDoc – github.com/roshan0708/HealthDoc – React.js, Redux, SASS, Node.js, Express.js, MongoDB, and Django

- Using Machine Learning models of **>90%** accuracy, developed a **disease prediction system** related to heart/kidney.

Crown Clothing – github.com/roshan0708/React-ecommerce – React.js, Redux, SASS, Firebase, and Stripe API

- Devised a full stack **ecommerce-site** using Firebase and incorporated **Stripe** Payment Gateway for secure purchases.

Academic and Extracurricular Achievements

- Achieved **3rd** rank among **400+** participants in **Bhilai Hacks** Hackathon 2021
- Ranked **9th** among **300+** participants in **Hack the build** hackathon, organized by IIT Jammu 2020
- Stood amongst top **1%** in **Joint Entrance Examination**, conducted by Indian Institute of Technology 2018
- Solved **1000+** questions on platforms like **Codeforces**, **CodeChef**, **LeetCode**, **GeeksForGeeks**, and **HackerRank**

Extracurricular Activities

- Lead Full Stack Developer** at **Naresh Vashisht Centre for Tinkering and Innovation (NVCTI)** at IIT (ISM) Dhanbad.
- Spoken English** and **Mathematics Teacher** under **ESCAPE** chapter of **Fast Forward India**, IIT (ISM) Dhanbad.

Courses Undertaken

Computer Science: Object Oriented Programming in C++, Data Structures, Design and Analysis of Algorithms, Computer Organization, Operating System, Computer Networks, and Database Management System

Mathematics: Linear/Modern Algebra, Discrete Mathematics, Operation Research, Numerical Methods, and Statistics