Gagan Sharma

UG (II Year II Semester)
B.Tech. (Computer Science and Engineering)
Contact No: +91-8375939611
Email: gagan_s@cs.iitr.ac.in
Registration No: 19114032/2022

Indian Institute of
Technology
Roorkee

VERIFIED

Area of Interest

Web Development, Database Management, Mobile Development

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2020	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	*9.276*
2019	Intermediate (Class XII)	Modern Public School, New Delhi (CBSE)	*92.00 %*
2017	Matriculate (Class X)	North Delhi Public School, New Delhi (CBSE)	*10.000*

Internships

Tech Intern | Newton School   June 09, 2021 - August 08, 2021

- Worked in a professional environment to develop and improve features of Newton's website and mobile app.
- Skills I acquired during the internship: React Native, Firestore
- Tech Stack I worked on : React JS, Redux, Redux-Saga, Bootstrap
- Projects I worked on :
- 1. Making the website more mobile responsive.
- 2. Webcam integration in test playgrounds.
- 3. Improving Newton Chat.
- 4. Verified 300 questions for Newton assignments and tests on topics of JS, React and HTML.
- 5. Improving UI of feedback forms.
- 6. Documenting feature additions in Notion docs.

Engineering Intern | Airblack   March 01, 2021 - May 31, 2021

- Worked in a professional environment to develop premium features of Airblack's website.
- Skills I acquired during the internship : NextJS, MongoDB, Express JS, AWS, Retool
- Tech Stack I worked on : Bit, ReactJS, Redux-Saga, Branch.io (deep links).
- Projects I worked on :
- 1. Whatsapp Notification
- 2. Events and Analytics
- 3. Rebuild Checkout and Payment Link Generation system
- 4. Intercom Integration
- 5. Enhancement and addition of Website features

Projects

People Search | Information Management Group, IIT Roorkee   June 2021 - July 2021

- An app to search people at IITR based on their details and interests.
- Tech Stack - ReactJS, Semantic UI, Django
- Github - https://github.com/IMGIITRoorkee/omniport-frontend-people_search

Omniport Setup CLI | Information Management Group, IIT Roorkee   October 2020 - December 2020

- A CLI to setup Omniport and its components on your local system. Installing Dockerized setup of Omniport needs referrig to the docs a lot many times and contacting the developers for unresolved issues. But the cli does all the job for you. Currently published as an npm package.
- Tech - Node JS
- NPM - https://www.npmjs.com/package/@imgiitr/omniport-setup-cli
- Github - https://github.com/IMGIITRoorkee/omniport-setup-cli

RISC-Processor-Simulator | IIT Roorkee   November 2020 - December 2020

- Developed this project under the guidance of Prof Peddoju Sateesh Kumar
- Worked in a team of 6 developers for the project.
- We have designed a 32-Bit RISC inspired Processor with Von Neumann Architecture using Logisim. We have also developed an assembler in python which converts the assembly code into machine language.
- My roles included cross-checking, documentation and implementation of assembler and main cpu circuit
- Github - https://github.com/gagansh7171/RISC-Processor-Simulator

BruteForce | IIT Roorkee   September 2020 - November 2020

- Made this project under guidance of Prof. Sandeep Kumar
- Worked in a team of 5 developers.
- Hands on implementation of various UML diagrams for the purpose of the project
- The project involved developing a platform for competitive programmers' discussions, blogs and Q&A.
- My responsibilities included developing the frontend of the project using NEXT-JS framework.
- Tech Stack - Next JS, Express JS, MongoDB
- Github - https://github.com/BruteForce-CP/BruteForce

Awards / Scholarships / Academic Achievements

- Global Rank - 9 in Codechef December 2020 Challenge Division 2
- Global Rank - 64 in Codechef September 2020 Challenge Division 2
- JEE Advanced 2019, All India Rank - 303
- JEE MAINS 2019, All India Rank - 206
- KVPY SA 2017, All India Rank - 198
- NTSE 2017 Scholar
- SOMT 2017, Delhi State Rank 1 out of 15000 students all over Delhi
- JSTSE 2016 Delhi State Rank 24
- FTRE 2016, National Rank 125, conducted over 60 cities across India

Skills

Computer languages	C++, Python, JavaScript, Java, Dart
Software Packages	ReactJS, Redux, Django, SQL, HTML-CSS, Express JS, MongoDB, Flutter, React Native, Material-UI, PHP
Languages Known	Hindi, English (LSRW)

Positions of Responsibility & Extra Curriculars

Project Leader | IMG IIT Roorkee   January 2020 - July 2021

- Information Management Group develops and maintains the IIT Roorkee Internet & Intranet systems and portals including the Institute website, Content Management System, Placement and Academic Portal.
- Responsible for identifying problems, that can be solved using tech, and suggesting innovative products around them.

Member | Programming and Algorithm Group (SDS PAG), IIT Roorkee   January 2020 - July 2020

- The group aims to help an environment of mutual growth and an active coding culture on the campus.
- My responsibilities included assissting in organizing and conducting lectures on data structures and algorithms.

Volunteer | NSS IIT Roorkee   July 2019 - June 2020

- Served as Volunteer of Awareness Cell (NSS). Enacted in skits to raise awareness regarding Road Safety.
- Offered service in various events like Blood Donation Camp and National Social Summit.
- Received a certificate of Excellent Performance.

Competitive Programming | Online Judges   June 2019 - July 2021

- Active member at Codechef online judge.
- Highest Rating - 1926 (4 star)
- Handle - https://www.codechef.com/users/gagan_sharma

References

Balasubramanian Raman
Professor
Indian Institute of Technology, Roorkee
bala@cs.iitr.ac.in
9068680077