

GAURANSH DINGWANI

Final year, Indian Institute of Technology Roorkee

@ gauransh_d@ch.iitr.ac.in

+91-9009623382

gauransh7

in gauransh-dingwani

EDUCATION

Indian Institute of Technology, Roorkee

 July 2019 - Present

- B.Tech Major - Chemical Engineering, Minor - Computer Science Engineering
- CGPA : 9.09/10

Little Angels High School, Gwalior

 April 2003 - March 2019

- Sr. Secondary Education, Central Board of Secondary Education (CBSE)
- Class XII Percentage : 92.4
- Class X CGPA : 10/10

SOCIETIES & MEMBERSHIPS

Chief of Project Management at Information Management Group, IIT Roorkee

 April 2022 - Present

- IMG is a group of students who constantly strive to lead in the innovation, development, and maintenance of advanced information technologies, including computer systems and software and database systems.
- Responsible for maintaining the technological infrastructure of intranet and internet applications with user base of 10000+ people at IITR.
- Currently leading the team to build innovative projects, besides meetings with administration and reviewing code.

INTERNSHIPS

Microsoft

 May 2022 - July 2022

- Worked as Software Developer Engineer intern.
- Researched and built a tool for generating dynamic UI with JSON using C#, Javascript, Blazor, and Telerik.
- Followed agile principles and got to experience the overwhelming Microsoft culture, excellent learning sessions, and eminent interactions with WSD India and Redmond team.

Newton School

 Sep 2021 - Oct 2021

- Newton School is an EdTech Startup in Banagalore. It provides an upskilling platform for software developers.
- Worked with React, Django, Firebase, Ruby On Rails and scalability of the platform.

SKILLS

- **Web** : ReactJS, Redux, Django, Django REST, Django Channels, Blazor, Firebase, Websockets, SQL, Node.js, Express, HTML, CSS, Word Add-in APIs.
- **Computer languages** : Python, JavaScript, PHP, LaTeX, C++, C#, Verilog, Bash.
- **Softwares & Tools** : VS Code, Postman, Jupyter, Docker, Git, Linux shell utilities, Vim, Pandas, NumPy, Matplotlib.

TECHNICAL PROJECTS

Omniport

 March 2021 - Present


- Omniport comes with a powerful collection of applications and services to be used by people within institutes. At IIT-R, we use **Channell** built over Omniport.
- Omniport is a generic yet customisable platform for institutes to deploy their one stop web portal.
- **Skills**: Python, JavaScript, Docker, Nginx, OAuth, Git

R-drive

 Oct 2020 - Mar 2021

- Platform for IIT-R administration and students to store/share their files, folders, and other campus-related data.
- Integrated with other applications of IIT-R for uploading files.
- **Skills**: React, Redux, Django, Postgres, AWS.

Bhawan App

 June 2021 - Present

- One platform to automate all Bhawan-related activities
- A portal to ease student registration, manage complaints, facilities, events, and track every hostel's capacity at IIT-R.

RESEARCH PROJECTS

Optimization of Non-Convex Problems

 July 2022 - Present

- Devise an efficient algorithm using the ideas behind Global Optimisation, Interval Hessian and Eigenvalue approximation to solve Non-convex Machine Learning problems.
- **Skills**: C++, Numerical Methods & Optimization.

Multistaged Pipelined Processor

 July 2022 - Oct 2022

- Design Instruction set, Assembler and simulate working of a 5-stage pipeline processor.
- **Skills**: Verilog, C++, Assembly, Computer Architecture.

ACHIEVEMENTS

- Secured AIR 3866 in JEE Advanced 2019.
- **IITRHF Excellence Award 2020** : Acknowledgment for the Academic, Co-curricular and Extra-curricular participation at IIT-Roorkee.

INTERESTS

- Software Development
- Data structures and algorithms
- Machine Learning

REFERENCES

- **Mohit Gupta**
Principial Software Engineer Manager, Microsoft
gmohit@microsoft.com