

# Kritik Manral

875-5130-890 | [kritikmanral1@gmail.com](mailto:kritikmanral1@gmail.com) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

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### Graphic Era Hill University

*Bachelor of Technology in Computer Science and Engineering, (9.31/10)*

Bhimtal, Uttarakhand

*Aug. 2019 – Present*

### St. Amtul's Public School

*Intermediate, (90.2 %)*

Nainital, Uttarakhand

*April. 2018 – May 2019*

### Sanwal Public School

*High School, (10/10)*

Nainital, Uttarakhand

*April. 2016 – May 2017*

## EXPERIENCE

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### Summer Intern

*Samsung Research Institute*

July 2022 – August 2022

*(Remote)*

- Worked on an internal Samsung Project, based on cloud platform automation task
- Used technologies like java, spring boot, docker and kubernetes pods

### Research Internship

*Samsung Research Institute*

July 2021 – December 2021

*(Remote)*

- Worked on Core Dump Analyzer and Solution Recommendation System using ML
- Linux based system that can track the segmentation faults inside a code
- Appropriate recommendation according to the fault occurred

### Teaching Assistant (President)

*We Code*

July 2021 – August 2022

*Graphic Era Hill University Bhimtal*

- Taught more than 500 juniors about Competitive Programming
- Conducted various workshops and seminars over leading technologies

## PROJECTS

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### Algorithm Visualizer | *Html, CSS, JavaScript*

[Link](#)

- Developed a sorting algorithm and graph algorithm visualizer
- Can visualize 7 sorting algorithm and various graph traversal algorithm in a GUI form

### Browser Extension | *Html, CSS, JavaScript*

[Link](#)

- Developed a browser extension and website which help competitive programmers to keep track of their unsolved problems on Codeforces
- User get all the links to unsolved problems with click to redirect functionalities

### Face Recognition and Attendance Monitoring System | *Python, OpenCV*

- Developed a face recognition system that use faces of the individual to mark their attendance onto an excel file
- Detect faces from the faces stored in the database to track the employee status

## AWARDS AND ACHIEVEMENTS

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**TCS Codevita:** World Finalist (World Rank 19 out of 100K+ participants)

**HackWithInfy:** Grand Finalist (Top 100)

**CodeChef:** 5 Star (44 rank in May Cook-Off 2022)

**Codeforces:** Specialist (Best Rating 1548)

### Honorary Titles:

- Head Boy at High School
- School Captain at Intermediate
- President of WeCode (Coding Club of University)

## TECHNICAL SKILLS

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**Languages:** C/C++, Java, Python, JavaScript, HTML/CSS

**Frameworks:** Spring Boot, Spring MVC, React, Node.js, Kubernetes

**Developer Tools:** Git, Docker, Cloud Platform, VS Code, Eclipse