TINA OBEROI

B.Tech. Electronics & Communication Engineering
UG(III Year I Semester)
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Registration No: B.Tech./ECE/16116073/2019

Indian Institute of
Technology
Roorkee

Area of Interest

Parallel Computing, Cloud Computing, Algorithm Design

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2017	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	7.3
2015	Twelfth	Ramakrishnan Vidya Mandir, Gwalior, Madhya Pradesh	92.6 %
2013	Tenth	Carmel Convent School, Gwalior, Madhya Pradesh	10.0

Internships

Software Developer Intern | Microsoft India (r&d), Hyderabad
14 May, 18 - 6 July, 18
- Worked as a member of Microsoft's cloud service management team of India, the Azure
- Designed a self-service platform for up and running services of Microsoft's customers
- The platform focused on deployment creation, constant monitoring and diagnostics of services
- Integrated services like SendGrid, Ngnix and Packet-Capture

Tutor | Chegg
Nov 17 - Present
- An online tutoring platform to help students all over the world
- Taught Parallel Computing, Computer Architecture and Data Structure lessons
- Aimed at resolving bugs in C++ programs. Interpreted complex problems to simpler languages for better understanding
- Contributed in varied domains, mainly computer programming and advanced mathematics

Projects

CUDA-NVIDIAs Parallel Computing Architecture | CSE Department, IIT RoorkeeJul, 2017 - Nov, 2017
- Analysed the principles underlying parallel computing.
- Worked upon the architectural configuration of GPUs and CUDA implementations.
- Analysed the advantages that CUDA C/C++ offered over other parallel programming languages.

CloudCV-EvalAI | Open Source Contributor
Nov 17 - Present
- EvalAI is an open-source web platform for organizing and participating in AI challenges.
- Contributed to web-platform and and been an active
- contributor of the community.
- Worked at Django and Angular frameworks.

Mozilla | Open Source Contributor
Nov 17 - Mar 18
- Active contributer on Mozillas OpenSource projects like Treeherder, webcompat,thimble.
- These projects involved the following tech-stack javascript, python, react.

Student Home Page | IMG, IIT Roorkee
July 2017 - Present
- A platform provided to the students of IIT Roorkee that allows the students to present their experiences and achievements.
- Worked on backend based on Django, and on frontend based on react.

Awards / Scholarships / Academic Achievements

- 2018: Qualified for top 49 students among 10, 000 for the Schneider Electric - Go Green in the City 2018
- 2018: Qualified for Microsoft Codess Mentorship Programme
- 2016: Secured AIR-1156 in JEE Advance from around 10 lakh students participating all over India

Skills

Computer languages	C++, C#, python, JAVA, Javascript, Go
Software Packages	SendGrid, Packet-Capture, Docker, Kubernetes, MATLAB, LTSpice, MYSQL, Django, Neo4j, Random Forest Classifier
Languages Known	English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Project Leader at IMG
2018 - Present
- A students group in IIT Roorkee responsible for development and maintenance of internet and intranet applications in the institute, including the website of IIT Roorkee.
- A member since 2016, HubCoordinator for 2017-18

SAC ORGANISING COMMITEE, IIT ROORKEE
2018 - Present
- This portal has been created to serve as discussion platform for the students of IITR.
- Works for the betterment of our institute and the coming generations of engineers and scientists.
- The main purpose of this group is to address, discuss and brainstorm over the issues grievances and ideas for the betterment of our institute and the coming generations of engineers and scientists.