Harkirat Singh

B.Tech. Computer Science and Engineering
UG(IV Year I Semester)

Indian Institute of Technology Roorkee
harkirat96@gmail.com

EXPERIENCE

Amazon India Development Center, Delhi — *SDE Intern*

May 2017 - July 2017

Worked on Charting libraries to implement analytics dashboard for the Last Mile Team. Also made an automated Excel File Generator to export analytics for vendors.

Mozilla, Google Summer of Code — SDE *Internship*

May 2017 - August 2017

Added collaboration to Mozilla's Thimble editor. Used Operational Transformation for syncing and WebRTC for communication.

Thimble is an online code editor by Mozilla to make and publish web pages by Mozilla. The project involved making the editor collaborative, i.e., allowing multiple users to make changes to their editor (Brackets for Thimble) together.

Gambit, Google Summer of Code — SDE *Internship*

May 2016 - August 2016

Built a web interface which interacts with the algorithms for solving Nash Equilibria for tree game. Imported the previous version written in flash to javascript to make the development process smoother for future developers.

PROJECTS

Open Source Projects – https://github.com/hkirat

Notification Logger – Desktop Notification for your js logs

Brackets – Added Collaboration to Adobe's Brackets

Processing – Worked on the Souce code of P5.js

Virtual Room

Developed a virtual reality application that lets students attend lectures in VR. It also provides real time three dimensional resources to students on the basis of the teachers speech.

Chess

Developed a Chess playing platform for the intranet of IIT Roorkee.

Wrote the entire logic for move validation and game logic as well as handling multiple persistent connections using web sockets.

EDUCATION

Indian Institute of Technology, Roorkee — *B.Tech*

August 2014 - Present

CGPA – 8.144

K.B. DAV, Chandigarh — *High School*

March 2012 - March 2014

Percentage – 95%

AWARDS

ACM ICPC 2015 Amritapuri Regionals onsite rank 61

Microsoft Code.Fun.Do 2017 Winner.

Microsoft Code.Fun.Do 2015 Runner up.

Microsoft Build the Shield 2015 onsite rank 11, online rank 9.

AIST Real Steel Film Making Competition 2016 Winner

 Topcoder Collegiate Contest onsite rank 6.

JEE Advance A.I.R 658.

KVPY Scholar with A.I.R 151

Qualified for **Indian Physics Olympiad**

Positions of Responsibility & Extracurriculars

Software Development Section, IIT Roorkee
Joint Secretary.

Programming and Algorithms Group, IIT Roorkee
Coordinator