

Harkirat Singh

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

Indian Institute of Technology
Roorkee
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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

Made 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

Notification Logger

Developed an open source project that allows developers to log errors and messages as Desktop notifications by overriding Javascript's console.log

Virtual Room

Developed a virtual reality application that lets students attend lectures in VR. It also provides real time three dimensional resources to students.

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