Harkirat Singh

B.Tech. Computer Science and Engineering
UG(III Year II Semester)
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Registration No: B.Tech./CSE/14114028/2017

Indian Institute of
Technology
Roorkee

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2016	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	*8.214*
2014	Twelfth	KB DAV, Sector 7, Chandigarh	*95.0 %*
2012	Tenth	KB DAV, Sector 7, Chandigarh	*9.6*

Internships

Amazon Development Center, Delhi | Software Development Internship   May 2017 - Present
- Working at Amazon Development Center as a Software Development Intern for the summer of 2017.

Google Summer of Code, 2017 | Mozilla   May 2017 - Present
- Student contributor to The Mozilla Foundation in Google Summer of Code 2017. Working to include collaboration features in Thimble, a web based code editor by Mozilla.

Google Summer of Code, 2016 | The Gambit Project   May 25, 2016 - August 30, 2016
- The project involves creating an interface which interacts with the algorithms for solving Nash Equilibria for tree games.
- Also involved adding features like undo-redo, load-save, rendering strategic form of games to the project.

Projects

Virtual Room | Microsoft Code.Fun.Do 2017   March 1, 2017 - March 2, 2017
- The project involved creating a Virtual Reality application that lets students attend lectures in VR. It also provides real-time resources to students using ML.
- Emerged as the winner in MS Code.Fun.Do 2017

Notification Logger | Github   October, 2016 - Present
- Developed an open source project that allows developers to log errors and messages as Desktop notifications by overriding Javascript's console.log.
- Has 900 Stars on Github.
- Trended on Hackernews, Github and Reddit.
- Open Source on github.

Chess | SDSLabs   June 2015 - Jan 2016
- Created a chess playing platform for the intranet.
- It allows users to play chess against each other and against a custom bot.
- Wrote algorithms for move validation and game logic.

Geocast | Microsoft Code.Fun.Do 2016   October 18, 2015 - October 19, 2015
- The project was developed during the 24-hour hackathon organized by Microsoft and finished as the runner up.
- It involves streaming audio, data and music to clients.

Awards / Scholarships / Academic Achievements

- 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.
- Topcoder Collegiate Contest onsite rank 6.
- Selected for Winter Coding Camp organised by Codechef.
- JEE Advance A.I.R 658.
- KVPY Scholar with A.I.R 151.
- Qualified for Indian Physics Olympiad.

Skills

Computer languages	C++, Java, HTML, CSS, Javascript, PHP, Python, C#
Software Packages	Adobe Premere Pro, Adobe After Effects, Visual Studio
Languages Known	English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Software Development Section, IIT Roorkee   2015-Present
- Member of Software Development Section, IIT Roorkee from 2015-2016. Joint Secretary of the same for the fourth semester (January 2016 - May 2016).

Programming and Algorithms Group   2015-Present
- Coordinator of the Programming and Algorithms Group, IIT Roorkee.
- Responsible for conducting lectures on various topics in the field of Algorithmic Coding and promoting the coding culture in the campus.

Cinematic Section, IIT Roorkee   2014-Present
- Joint Secretary of the Cinematic Section, IIT Roorkee.
- Winner, AIST Real Steel Video Making Challenge.
- Director of the Official Campus tour, IIT Roorkee.(More than 70, 000 views on Youtube).

Executive Member, Thomso, IIT Roorkee   2014
- Executive member of the Thomso Organising Committee. Responsible for media and communications.

N.S.O   2014-2015
- Part of the National Sports Organisation in the game Basketball from 2014 to 2015

References

Balasubramanian R.
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Prof Bernhard von Stengel
Professor of Mathematics
London School of Economics
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