

## Education

B.E., CSE	UIET, Panjab University, Chandigarh	7.13	2015
CBSE, 12th	Apex Public School, Fatehabad, Haryana	76%	2010
CBSE, 10th	Daffodils Public School, Fatehabad, Haryana	86%	2008

## Work Experience

**Intern, CARTS** 2014 to Present  
*IIT Bombay* Mumbai, Maharashtra

Worked under Prof. Bhaskaran Raman during summer internship on CARTS project to improve road traffic conditions in India using a communication assisted road transport system

- Developed a machine learning algorithm to automate the detection of a public transport boarding event using Android accelerometer sensor data.
- Writing a research paper as Minor Project that will be submitted in COMSNET conference this year

**Google Code-In Mentor** 2013 to 2014  
*Google* San Francisco Bay Area

Supervised 4 students in Google Code-In 2013. Directed students in patch review/submission process. Also assisted students while creating the homepage for JuK music manager.

**Software Developer** 2013 to 2014  
*KDE e.V.* Berlin, Germany

Worked on JuK music manager as an intern under SOK - Season of KDE. Still assisting further work on the project. Submitted patches recently to KDevelop - an IDE for C/C++/Qt projects.

- Established branches for Music Device Synchronization feature in JuK music manager
- Acquired the ability to dive into huge C++ codebases.
- Mastered several software development/debugging tools along the way.

## Skills

- Languages: C, C++, Python, Shell Scripting, MATLAB, Java
- Softwares: Gnu Debugger, Memory profilers, Vim, Eclipse, Android Studio,
- Technologies: Qt, Distributed version control systems, Git, Make, CMake

## Activities and Honors

- **ICPC Asia Regional Finals Participant, ACM, 2013.** Represented UIET in ACM-ICPC International Collegiate Programming Contest Asia Regional Finals held in Amritapuri, Kerala. ACM-ICPC is the most reputed programming contest all over the globe.
- **Aspiration 2020 College topper, Infosys, 2013.** Represented UIET in the state level DC final at Infosys development centre in Chandigarh after topping college level contest solving 4/4 problems. Aspirations2020 is a programming contest to foster problem solving and algorithmic thinking abilities.
- **Winner: C-Code Cracker, Technical Committee, UIET, Panjab University, 2012.** Topped by scoring 5/5 problems. Technical Committee event for 1st and 2nd year students. Students had to solve algorithmic problems in C language.

## Volunteer

**Speaker** 2014  
*KDE e.V.* Gandhinagar, Gujarat  
Discussed about opportunities available in kde-multimedia in the biggest developer conference of KDE in India. Persuaded new developers to contribute to kde-multimedia.

**SFD Team Leader** 2013  
*Software Freedom International, DFF*

Managed a team of size 10 to organize a two day workshop for new FOSS developers. As a speaker shared my open-source development experience. Tutored several advanced topics like building linux-kernel.

**Tutor/Team Leader** 2013 to 2014  
*Codechef* Campus Chapter

Tutored data structure and algorithm. Discussed strategies for participating in coding competitions.