

Mohali, Punjab

ASHISH BANSAL

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EDUCATION

Chandigarh, India **UIET, Panjab University** **2013 - 2017(Expected)**

- B.E. in Computer Science and Engineering
- CGPA: 7.71 till 6th Semester

Chandigarh, India **CBSE AISSCE** **2011 - 2013**

- 91.2% in Senior Secondary

EXPERIENCE

Software Developer **KDE** **2014-2016**

- Implemented UPnP/DLNA media streaming over local network in Plasma-Mediacenter as an intern under SoK - Season of KDE, a GSoC spin-off
- Submitted patches to various KDE Applications like Dolphin, Baloo, KDE Connect

Summer of Code Mentor **Google** **2016**

- Supervising and helping student to create KDE Now - an alternative to Google Now for Plasma Mobile
- Assisted student in designing application architecture and using other frameworks for parsing texts from emails.

Code-In Mentor **Google** **2015**

- Supervised student during Google Code-In 2015 assisting through using Valgrind to find memory leaks and patch review process.

PROJECTS

One Tap Video Download **Feb - April 2016**

- Created a module to download videos from many applications in Android using Xposed Framework for Android.
- Used method hooking and code injection to hook packages by reverse engineering popular Android applications like Facebook, Chrome
- Over 100k downloads - including both playstore and non-playstore installs
- [Source Code](#) [Playstore Link](#)

Audio Only Youtube **December 2015**

- Created a chrome extension to play only audio from videos on YouTube to save bandwidth.
- Saves internet bandwidth upto 90%
- [Source Code](#) [Chrome Store Link](#)

Simple Download Manager

December 2015

- Created a multi-platform download manager in C++ using Qt Framework
- Used Chrome APIs to capture downloads from chrome and send information to main application using Web Sockets.
- Used Network Interceptor APIs to monitor all requests/responses to get Video Stream from the website and send them to main application
- Increased downloading speed 6x from servers which throttle speed per connection.
- [Source Code](#)

LANGUAGES AND TECHNOLOGIES

- Android; C++; C; Java; SQL; JavaScript; Python; Shell Scripting; PHP; HTML;
- Git; CMake; Make; Qt; Machine Learning; CI; Debuggers; Memory Profilers;

VOLUNTEER

Jaipur, Rajasthan

Speaker

Feb 2016

- Speaker at KDE India conference
- Helped students to involve in open source project and explained basic architecture of KDE Connect

A Coruña, Galicia, Spain

Speaker

July 2015

- Conducted a BoF session on KDE Connect, a discussion about future of a particular project
- Discussed about software architectures of other KDE applications

OTHER ACTIVITIES

- Competitive programming on codechef. Ranked around 1000 in Codechef long Contests.
- Implemented a jquery plugin [typewriter](#) to show animated texts.
- Random fixes in [logmein-android](#) Android Application.
- Created a machine learning algorithm to classify twitter accounts as Real or Compromised account.
- Worked as freelancer on [30SecondsCV](#) built on LAMPP stack.