

# SHUBHAM CHAUDHARY

tel: +919803333464 ◊ mail: work@shubhamchaudhary.in ◊ skype: shubhamchaudhary.in

## EXPERIENCE

---

### **Zomato**

*Lead Software Developer, Machine Learning*

March 2016 to present

*Gurgaon, India*

- Developed new scalable user credibility and restaurant rating algorithm
- Developed a scalable review spam detection algorithm
- Working on Natural Language Processing and Machine Learning in Reviews.

### **Zomato**

*Software Developer, Android*

July 2015 to March 2016

*Gurgaon, India*

- Handled entire Zomato For Business Android (working end to end — api to apps)
- Published 20+ releases of Business app (including complete makeover in terms of design)
- Spearheaded optimisations for the core modules used in all Android apps (HTTP, serialisation, caching techniques etc)
- Optimized network layer resulting in 30% overall speed improvement
- Reduced cold start time in Android apps by 300%
- Reduced size of Business app by ~40%
- Increased product robustness by putting additional focus on unit tests (junit/robolectric)
- Introduced automated functional tests for faster releases (espresso)
- Introduced and setup continuous integration for multiple Android teams (daily builds with jenkins)
- Reduced 70+ man hours from every release with tests and automation
- Handled backend apis for Business apps

### **ThoughtWorks Inc.**

*Intern, Application Developer*

Jan 2015 to May 2015

*Gurgaon, India*

- Part of a team working on healthcare industry project for a company that builds Disinfection Robots
- Developed an Android application which controls the functioning of Disinfection Robots.
- Created REST API to interact with other third party systems.
- Worked on a web based system which takes care of all the hospital management functionalities, client management functionalities, robot management functionalities, etc.
- Optimized heroku deployment, reducing build time from minutes to seconds

### **IIT Bombay**

*Intern, CARTS*

2014 to Present

*Mumbai, India*

- Created a machine learning algorithm to automate the detection of a public transport boarding event using accelerometer sensor data under ITRA, Govt. of India sponsored project CARTS during summer internship.
- Developed an Android application based on the research gathered to detect the bus boarding event.
- Published the research paper in COMSNET conference.

### **Develop Freedom**

*Founder*

2014 to Present

*github.com/DevelopFreedom*

- Established an open-source organisation to help college students develop quality products using test-driven development and continuous integration

### **Peplet Inc.**

*CEO*

2014 to 2014

*Peplet.com*

- Managed a team of four software engineers to develop Android applications focused to increase productivity by automating monotonous chores with help of artificial intelligence

### **Google Code-In Mentor**

*Google*

2013 to 2014

*San Francisco Bay Area*

- Supervised 4 students during Google Code-In 2013 assisting through the patch review/submission process.

## Software Developer

*KDE e. V.*

2013 to 2014

*Berlin, Germany*

- Worked on JuK music manager as an intern under SoK — Season of KDE, a GSoC spin-off
- Submitted patches to KDevelop — an IDE for C/C++/Qt projects. Established setup for Music Device Synchronization feature in JuK Music Manager.
- KDE Project Manager for Juk Music Manager website [juk.kde.org](http://juk.kde.org).

## TECHNICAL SKILLS

---

<b>Computer Languages</b>	Python, Java, Android, C, C++, Shell Scripting, Php, Matlab, Latex
<b>Softwares &amp; Frameworks</b>	Pandas, Numpy, Scipy, Sklearn, nltk, Flask, nosetests, tox
	IntelliJ, Android Studio, Debuggers, Memory Profilers, Mockito, PowerMock
	Redis, MySql, Boto, Aws, Spots, supervisor, nginx
<b>Technologies</b>	Git, CI, CD, Make, Qt, CMake, Agile, TDD, Machine Learning, AI, Aws, Spots

## EDUCATION

**UIET, Panjab University, Chandigarh**

B.E. in Computer Science & Engineering

Overall GPA: 7.13

*June 2015*

## ACTIVITIES AND HONORS

### HONORS:

**Google APAC Codejam, Google, 2014:** Ranked 464 among 5000 participants all over the globe. CodeJam is a programming contest held by Google.

**ICPC Asia Regional Finals Participant, ACM, 2013:** Represented UIET in the most reputed ACM-ICPC International Collegiate Programming Contest Asia Regional Finals.

**Aspiration 2020 College topper, Infosys, 2013:** Represented UIET in the state level DC final at Infosys development centre in Chandigarh after topping college level programming contest solving 4/4 problems.

**Winner: C-Code Cracker, Technical Committee, UIET, Panjab University, 2012:** Topped the Technical Committee event for 1st and 2nd year students by scoring 5/5 problems.

### ACTIVITIES:

**Github:** Being an enthusiastic github user, I work actively on multiple side projects which include several PyPi modules and couple of Android application. I have 40+ public repositories available at [github.com/shubhamchaudhary](https://github.com/shubhamchaudhary)

**PyPi Modules:** I have authored 10+ python modules to Python Package Index. Source code for these is open sourced on Github.

**Android Applications:** I have couple of open sourced Android applications available on Google Play Store Develop Freedom account

## VOLUNTEER

**Speaker**

*KDE e. V.*

2014

*Gandhinagar, Gujarat*

- Elucidated the development of kde-multimedia in the biggest developer conference of KDE in India.

**SFD Team Leader**

2013

- Managed a team of size 10 to organize DFF sponsored two day workshop for new FOSS developers

**Tutor/Team Leader**

*Codechef*

2013 to 2014

*Campus Chapter*

- Co-founded a programming committee to foster competitive programming in college. Tutored DS and Algorithms.