

# Shubham Chouhan

Fourth Year Undergraduate  
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Indian Institute of Technology Kanpur

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## EDUCATIONAL QUALIFICATIONS

Year	Degree	Institute	CPI/%
2015-2019	B. Tech Electrical Engineering	Indian Institute of Technology Kanpur	6.2
2015	XII	Adarsh Public School, Jodhpur	92.2
2013	X	Central Academy School, Jodhpur	10

## ACADEMIC ACHIEVEMENTS

- Received **Gold Medal** in **International Master Mathematics Olympiad** with Olympiad rank **51** in 2013
- Received **Gold Medal** in **Eduheal Foundation Interactive Olympiad** in NISO in 2012 and 2013
- Received **Merit Certificate** from CBSE board for outstanding performance in board examinations in 2013

## INTERNSHIPS

- NOBROKER Technologies Pvt. Ltd., Bangalore** May'18 - Jul'18  
ANDROID DEVELOPMENT INTERN
  - Built and deployed **Outbound app**, currently used to record 20K+ calls a day within the company
  - Integrated **google authentication** and implemented call recording using **broadcast services and AsyncTask**
  - Used **Firestore Storage** to upload the recordings and feedback obtained by responses of 3 spinner tabs at the end of call
  - Debugged and **resolved the issue of one sided recording in android 6.0+** devices by using the mobile hardware
  - Implemented **interactive UI** of the payment option in **Nobroker app** with the help of **Zeplin**
  - Designed UI of **RentalAgreement activity** in **Nobroker App**, involving implementation of **viewpager** to show a list of fragments of rental agreements made within different cities
- NEW YORK OFFICE - IITK** May'17-Jul'17  
ANDROID DEVELOPMENT INTERN Project Mentor: Prof. Manindra Agarwal
  - Implemented push-notification in app via **Google Firebase Messaging** (FCM) which lets user get notifications without app in foreground
  - Implemented **restricting screenshots** while performing certain secure actions within the app using android APIs
  - Improved the UX of the app by implementing a sidebar with recently used views for quick access
  - Learned working with various activities and fragments and maintaining callbacks between them, explored using **webRTC**
  - Implemented checks to ensure that the phone is not rooted, implemented **kiosk mode** to only work with desired apps

## PROJECTS UNDERTAKEN

- Metal Detector using Arduino** Jul'18-Nov'18  
COURSE: ELECTRICAL ENGINEERING LABORATORY-II Project Mentor: Prof. Baquer Mazhari
  - Built a Metal Detector by using Colpitts Oscillator's oscillations
  - Analysed the change in oscillations on metal insertion inside inductor for detection

## POSITIONS OF RESPONSIBILITY

- Company Coordinator, Students Placement Office, IIT Kanpur** Jul'16 - Apr'17
  - Worked with a team of 50 company co-ordinators for conduction of placement of final year students
  - Led a group of 7 volunteers for proper execution of placement procedure for 4 companies
  - Ensured proper team management, displayed leadership qualities and interacted with HRs of various companies
- Secretary, Workshops, Techkriti 2017**
  - Managed workshops like Android app development, Cloud computing, Ethical hacking for around 200 students
  - Worked with a team to provide respective workshop certificates for students from various colleges

## TECHNICAL SKILLS

- Programming Languages:** C, C++, HTML, CSS, MATLAB, MySQL, MIPS Assembly Language, Verilog
- Android Development:** JAVA, XML, Android Studio
- Platform/Tools:** Linux, Windows,  $\text{\LaTeX}$ , Microcap, git

## RELEVANT COURSES

Data Structures and Algorithms	Computer Organisation	Introduction to Electronics
Probability and Statistics	Power Systems	Introduction to Electrical Engineering
Digital Electronics	Control System Analysis	Linear Algebra
Digital Signal Processing	Power Electronics	Microeconomics

## EXTRA CURRICULAR ACTIVITIES

- Competitive Programming:** Solved 100+ problems across many platforms like SPOJ, Codechef and Codeforces
- Robotics:** Secured 3rd position in Takneek'15 for making remote controlled robot using motors & sensors in robotics event