

# Abhishek Khandelwal

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## EDUCATION

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### International Institute of Information Technology (IIIT),

Naya Raipur, India

2016-present

B.Tech in Electronics and Communication Engineering. Pre Final Year.  
CGPA - 8.24 / 10.00

### Delhi Public School, Bhilai

High School & Secondary School (CBSE)

C.G. India  
2016 & 2014

Received 93.00% in class 12th and 9.4/10.0 in class 10th.

## EXPERIENCE

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### International Business Machines (IBM)

Mumbai, India

Intern

June 2018 – July 2018

- Developed a Data Extraction Flask web service, which did API calls to Graph API(Facebook), Blogger API v3, Twitter API after User Permissions.
- Processed the gathered data via Personality Insights API of IBM Cloud.
- From the result gathered above, implemented a basic Decision Tree Classifier to predict which product user would buy.
- Built an Hyperledger App (Private Blockchain tool), for resource allocation during natural disaster.

### HackerRank

Work from Home

Problem Curator

June 2017

- Challenges curated by me were featured in various contests hosted on HackerRank.
- Challenge curation involves an innovative thinking of creating our own unique questions and supporting it with strong test cases and editorial.
- Was paid \$50 per question curated.

## TECHNICAL SKILLS

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**Languages/ Markup and Script** - Python, C, Java, Verilog, HTML, Solidity, YAML, Shell Scripting

**DBMS** - Oracle, SQLite

**Tools/Frameworks** - Django, Flask, Hyperledger, Pandas, Numpy, Scikit-learn, Git, Matplotlib.

## RELEVANT COURSES

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Data Structures and Algorithm, Design and Analysis of Algorithm, Computer Organization, Network, Data Communication and Computer Networks, Artificial Intelligence, Object Oriented Methodologies, VLSI, DataBase Management System.

## SOME PROJECTS

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- **Train Delay Prediction System** - Implemented a prediction engine which was trained on crawled data from website. The data included logs of past 20 year timings. We were ranked in top 20 teams out of 100 teams(approx) in India's Largest Student Hosted Hackathon, HINT.  
(<https://github.com/abhi98khandelwal/HINT>)
- **Leave Management System** - Designed whole website(backend and frontend), which had services of email notifications on reminder of short leaves available and on issuing leaves. Worked on Django's MVT pattern and queried SQLite database whenever a leave was applied. This project which involved both website and app was awarded 3rd prize out of 60 teams in central India's Largest Techfest organized by NIT Raipur.
- **Jungle Safari Booking System** - Developed a ticket booking system in an event sponsored by C.G. Jungle Safari. We were among top 2 teams and were in talk with government for hosting the same site on internet. Developed whole website except the online payment portal.
- **Car Overspeed Detector** - Implemented an arduino and ultrasonic sensor(HC-SR04) based speed detector hardware which sends an SMS using GSM module on overspeed detection of vehicle.
- **True Random Number Generator for Xilinx FPGA** - Programmed a DCM based TRNG using Verilog.
- **433 Mhz Decoder using RTL-SDR** - Used an Open Source Library GNU Radio and demodulated an ASK modulated Signal.

## ACHIEVEMENTS AND AWARDS

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- Ranked in top1000 in CodeChef SnackDown-2017 (over 60k Participants)
- Qualified for ACM ICPC 2017 Regionals and successfully solved 4/11 questions which was equal to 35th ranked team. Total 160 teams qualified to this regional.
- Qualified Google Code Jam 2017 Qualification Round.
- 3rd Prize in Website Development Contest in Central India's Largest Techfest.
- 3rd Prize in Speaking Skill based competition organized by IIM Raipur.
- Completed 98% Problem Solving Questions in HackerRank and achieved some medals too.

## POSTS OF RESPONSIBILITIES

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- Event Head of Central India's Largest Hackathon, HackDUnhackD.
- Co-Founder of a programming club and Codechef Campus Chapter Core member.
- Lead a Counter Strike clan to win many regional competitions.
- Represented Chess and Basketball team of both school and institute.