

# Utkarsh Saxena

## Curriculum Vitae

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### Education

- August, 2013– May, 2017 **Bachelor Of Technology In Computer Science And Engg, IIT Indore, CPI – 9.5.**
- April, 2011– March, 2013 **Senior Secondary, St. Francis' College, Lucknow, Percentage – 96.2.**  
**Top 1% in India**
- April, 2010– March 2011 **Secondary, St. Francis' College, Lucknow, Percentage – 91.8.**

### Work Experience





- June, 2018–Present **Software Developer, GOOGLE, Munich.**
- July, 2017–May, 2018 **Software Developer, CODENATION, Bangalore.**
- May, 2016–July, 2016 **Summer Intern, AMAZON, Bangalore.**  
Summer Internship 2016
- May, 2015–July, 2015 **Summer Analyst, MORGAN STANLEY, Mumbai.**  
Summer Internship 2015
- 2015–Present **Algorithmic Problem Curator, HACKEREARTH.**

### Achievements

- ACM-ICPC World Finals 2017 **World Finals (Rapid City) 2017.** Rank **56** (out of 125 International Teams). Rank **2** among Indian teams. [↗](#)
- Codechef Snackdown 2016 **Best Indian Team** (out of 13,000 teams with 17,238 global participants) [↗](#)
- Think-A-Thon 2016 Secured **1st** position in nationwide programming contest held by Hewlett-Packard Enterprise. [↗](#)
- Google APAC Test **APAC 2016, Round A: Rank 3** Globally out of 2280 participants. [↗](#)  
**APAC 2017, Round C: Rank 26** Globally out of 1600 participants. [↗](#)
- CodeJam 2015 **Google CodeJam 2015.** Qualified for Round 2 and **ranked 813.**(out of 24000+ participants) [↗](#)
- ACM-ICPC 2014 **Asia-Kharagpur 2014.** Rank **8th** in Regionals held at IIT Kharagpur(out of 76 Indian Teams)  
**Asia-Amritapuri 2014.** Rank **6th** in Regionals held at Amrita University(out of 270 Indian Teams)
- ACM-ICPC 2016 **Asia-Amritapuri 2016.** Rank **4th** in Regionals held at Amrita University(out of 450 Indian Teams)  
**Asia-India Finals (Gwalior) 2016.** Rank **3rd** in India-Finals held at IIITM, Gwalior (out of Top 100 Indian Teams qualified from other Indian Regionals)

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## Online Programming Profiles

- HackerRank Handle: [usaxena95](#)   
Current Rating: 2567 (**Rank 9 in India** )
- Codechef Handle: [usaxena95](#)   
Current Rating: 2505 (7★)  
India Rank: **6**, Global Rank: **25**  
**Six Top10** and **Two Top3** finish in Codechef Contests in India.
- Codeforces Handle: [usaxena95](#)   
Current Rating: 2036(**Candidate Master**)

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## Projects

- July - October 2017(Codenation) **Cost Allocation & Calculation Engine:** Involved executing hundreds of process equations on each row of database. Converted these row wise operations into equivalent vectorized operations for faster calculation using *TensorFlow/PyGDF/Spark DF/Pandas DF*. Used *ANTLR* to compile all process equations into *python-pandas* equivalent vectorized operations. Stored the results in a *columnar database* for faster slice-dice operations involved in report generation and huge data compression ratio.
- Jan - April 2016 **Real Time Physics Simulation:** Implemented Rigid Body Dynamics and Gravitational forces in 3D using OpenGL and GLUT in C++ to simulate interactive multiple rigid body collisions and gravitational orbits.
- Jan - April 2016 **Sentence and Sentiment Classifier:** Implemented Sequential Minimal Optimization(SMO) Algorithm for classification of sentences into Declarative, Imperative, Interrogative category and sentiment analysis. Compared results with Naive Bayes classifier.
- Summer 2015 Developed plugin for monitoring user stats and activities for various service gateways(in Morgan Stanley)
- Summer 2015 Developed a daily email generator that processed various raw data sets and emails and stores the processed data in hierarchical database schema(in Morgan Stanley)
- Jan - April 2015 **PDF Converter and Search :** Made a converter that converted tabular data in pdf into different categorized csv files. Performed various types of range search queries on the created CSV files
- July - November 2013 **Mario Game 2D:** Made a single staged 2D Mario game with basic key operations using Simple DirectMedia Layer in C++

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## Position of Responsibility

- 2014-2016 Member of Programming Club, IIT INDORE  
2015-Present Member of Tech Team of FLUXUS(Annual Cultural Fest in IIT Indore)

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## Interests

- Algorithms and Data Structures

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## Technical skills

- Languages C++(STL), C, Python, Java  
Framework Spring, Django