

Kshitij Agrawal

07kshitij

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Education

2017–Current **Bachelor of Technology**, Indian Institute of Technology, Kharagpur
Major **Electronics and Electrical Communication Engineering** GPA 9.50 / 10.00
Minor **Computer Science and Engineering** GPA 10.00 / 10.00
2017 **Higher Secondary School Certificate Exam**
Chhattisgarh Board of Secondary Education (CGBSE)
Deshbandhu School, Raipur 95.4 %

Projects

December 2018 **PyQt based Scientific Calculator** KHARAGPUR WINTER OF CODE 2018
o Worked on handling erroneous inputs, added Backspace Functionality and Implemented plotting of graphs using **PyQtGraph** library.
January 2019 **Django based Blog Application**
o Implemented a blog application which has features for adding, deleting and editing posts
o Developed other features like Upvoting, Downvoting and Commenting in a blog post.
March 2019 **Lawbrarian** OPENSOFT 2019, IIT KHARAGPUR
o A contributing member to the Inter Hall OpenSoft entry of the Web Application of a Legal Search Engine.
o The search engine uses Elastic Search, NLP and Graph Databases to quickly fetch details of a case given few keywords relating to it.
o Responsible for pre-processing the whole data set to extract key information points and building the Graph Database.

Skills

Languages C, C++, Python
Libraries and Frameworks Django, NetworkX
Others GNU Octave, MATLAB, \LaTeX , Git

Scholastic Achievements

2019 **Google KickStart**: Rank 488, 235 and 484 respectively in Round A, B and C Among over 5000 participants worldwide
2019 **Google HashCode**: India Rank 168 Among 956 teams participating in the country

- 2018 Successfully got a **Department Change** from **Civil Engg.** to **Electronics and Electrical Communication Engg.** being amongst **top 15 CGPA holders** at the end of 1st year
- 2017 **JEE Advanced:** AIR 2329 In top 1.2 % amongst more than 2,00,000 students
- 2017 **JEE Main:** AIR 854 In top 0.08 % amongst more than 11,00,000 students
- 2017 **Kishore Vaigyanik Protsahan Yojana 'SX Stream'** Scholar : Scholarship Exam conducted by the Department of Science and Technology, Government of India
- 2017 Secured **10th position** in the Merit List of Class XII Examinations conducted by **Chhattisgarh Board of Secondary Education** amongst 2,50,000 students

Courses Taken

Programming and Data Structures
Algorithms
Probability and Stochastic Process
Matrix Algebra
Introduction to Internet

Extracurricular Activities

- 2017-19 Member of **National Service Scheme, IIT Kharagpur**. Awarded amongst the best volunteers in the annual camp
- 2018-19 **Programming and Data Structures Tutor** under a student body at IIT Kharagpur. Responsible for guiding a group of around 20 freshers for the freshman course