

PARTH KOHLI

IMSc Applied Mathematics

UG(IV Year I Semester)

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Registration No: IMSc/MSM/17312019/2021

Indian Institute of
Technology
Roorkee



Area of Interest

Algorithms, Development of System and Application Software, Security, Networks, Deep Learning

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2020	IMSc 3rd Year	IIT Roorkee	9.258
2017	Twelfth	Summer Fields School Gurgaon	93.0 %
2015	Tenth	Summer Fields School Gurgaon	10.0

Internships

Software Engineering Intern | Shipy (Llama Logisol Pvt. Ltd.)

15th June 2020 - 15th August 2020

- Worked on bot to automate all KPI-related tasks for the company, and it is being used company-wide. The bot is synchronized with the company's development workflow, and automates some key steps during this cycle.
- Exposed to the following learning/challenges in developing the bot: design decisions in the database, interacting with APIs (and writing one), writing high-quality production code, the Git flow and an Agile development workflow.

Projects

Algorithmic and Computational Algebra | IIT Roorkee

January 2020 - June 2020

- I studied traditional problems and methods in algebraic geometry with a computational lens.
- I wrote my own automatic geometric theorem prover in SymPy.

RegOL: Registration App for IIT Roorkee Entrants | IIT Roorkee

February 2019 - April 2019

- The RegOL app provides a seamless interface for students and administration to register and verify new entrants.
- My role in this group project was to design and handle the database layer.

Awards / Scholarships / Academic Achievements

- Awarded by Department of Mathematics for securing 2nd position in the 2018-19 session
- 2019 ICPC: Ranked 27th in ICPC Amritapuri Regionals (among 313 qualifying teams)
- 2018 ACM-ICPC: Ranked 36th in ACM-ICPC Amritapuri Regionals (among 270 qualifying teams)
- Awardee of the INSPIRE Scholarship (awarded annually by Department of Science and Technology, India)

Skills

Computer languages	C++, Python, JavaScript, SQL
Software Packages	Shell (Bash), Git, Vim, Flask (Python), Postgres
Additional Courses Taken	Neural Networks and Deep Learning; Convolutional Neural Networks; Sequence Models (Recurrent Neural Networks); Structuring Machine Learning Projects; Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
Languages Known	English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Member - Programming and Algorithms Group (SDS PAG), IIT Roorkee

January 2018 - Present

- A team of competitive programming enthusiasts who strive to improve the programming culture of the institute.
- Delivered lectures and conducted contests (on erdos.sdslabs.co) on algorithmic and programming techniques.

Competitive Programming

January 2018 - Present

- An active member on competitive programming websites and forums as a participant, tester and problemsetter.
- Codeforces Rating - 2195 (Master) (ID: agtxdy)
- AtCoder Rating - 2000 (Yellow) (ID: agtxdy)
- CodeChef Rating - 2243 (6 stars) (ID: shayadtumgalat)
- Global Rank 8 in Educational Codeforces Round 89 (Rated for Div. 2)
- Global Rank 14 (India Rank 1) in AtCoder ABC 149
- Global Rank 23 (India Rank 5) in CodeChef September Lunchtime 2019 Division 1
- Global Rank 26 in Codeforces Round #596 (Div. 2)
- Global Rank 28 in Codeforces Round #588 (Div. 2)

Member - Quizzing, IIT Roorkee

January 2018 - Present

- Conducted and participated in institute quizzes.
- Represented the IIT Roorkee contingent in external quizzes, most notably Nihilanth (the Inter IIT-IIM Quizzing Competition) twice.

References

Dr. Tanuja Srivastava

Professor

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Dr. Sanjeev Kumar

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