Kishlaya Jaiswal

Chennai Mathematical Institute
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OBJECTIVE

Third year undergrad, an avid researcher in most disciplines of science, with focused interests in advanced mathematics and software programming. Continually seeking opportunities to advance knowledge in areas of math, engineering and latest in emerging technology

EDUCATION

High School: St. Fidelis College (Percentile 89.6)   2012-15
B.Tech. (partial): Computer Science & Engineering, Indian Institute of Information Technology (Overall GPA 9.9)   2015-16
B.Sc. (Hons.): Mathematics & Computer Science, Chennai Mathematical Institute (Current GPA 9.2)   2016-present

ACADEMIA RESEARCH

Algebraic Geometry, Commutative Algebra, Galois Theory, Analytic Number Theory, Topology, Riemann Surfaces, Functional Programming, Algorithms, Machine Learning, Data Mining

TECHNOLOGY SKILLS

Programming Languages: Haskell, Julia, Javascript
Operations Technologies: AWS, Docker, CI/CD
Web Backend Technologies: HAProxy, NodeJS, MongoDB, PostgreSQL, Redis, Sendgrid, MailTrap, SocketIO
Web Frontend Technologies: Elm, ReactJS, Bootstrap, SASS/SCSS, Gulp, Bower, NodeJS, CoffeeScript, Google Poylmer
Typesetting Systems: XML, LaTeX

EXPERIENCE

Julia Intern   June 2018 - Present
AimsQuant, Delhi
- Integrated fundamental data stock for extending financial research operations

Haskell Intern   May 2018 - July 2018
Vacation Labs, Goa
- Built a real-life customer-facing project in Haskell
- Introduced Elm into the tech-stack as a side effect

Backend Engineering Intern   June 2017 - July 2017
AimsQuant, Delhi
- Developed forward testing of investment strategies
- Created a backend request scheduler
- Integrated IJulia/IPython interactive notebook in the web-app to facilitate interactive financial research

HONORS AWARDS	*Kishlaya's Identity* Published a new mathematical result	
	State Level Qualifier Regional Mathematical Olympiad 2013	
	Gold Medalist SOF's International Mathematical Olympiad SOF's National Cyber Olympiad	
	Silver Medalist SOF's National Science Olympiad	
COMMUNITY SERVICE	*Web Dev* College Tech	2015 - 2016

- Developed college website

Problem Writer — 2014 - 2016
Proofathon

- Helped to create online mathematical contest for high school students
- Contributed to problem writing and website development

EXTRA-CURRICULAR ACTIVITIES

Teaching Assistant — January 2018 - April 2018
Functional Programming in Haskell by NPTEL (National Programme on Technology Enhanced Learning)

Teaching Assistant — January 2018 - April 2018
Advanced Programming, instructed by Prof. Samir Datta

Teaching Assistant — August 2017 - December 2017
Programming in Haskell, instructed by Prof. S P Suresh

Adventures of The Mind — August 2015
Achievement-focused mentoring camp for the most promising high school students
Got selected and sponsored by Brilliant.org