

Kashvi Srivastava



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Education

B.Tech. Mathematics and Computing Engineering

Delhi Technological University (DTU) | 2020 | GPA: 9.48/10

Class XII

Jayshree Periwal High School | 2016 | 96 %

Class X

Jayshree Periwal High School | 2014 | 10/10 GPA

Skills

Languages: C++, C, MATLAB, Python, OpenGL, SQL

Typesetting: LaTeX

Other: SPSS, MS Office, Git

Certificate: Get Ahead APAC by Google

Extra-Curricular

President | Society for Industrial and Applied Mathematics (SIAM), Chapter DTU | Aug'18-Aug'19

- Head of public relations for

Aug'17-Aug'18

- Event head of Guess-estimates game event for Annual Mathematics fest at DTU

- Hosted the annual symposium of the department of applied mathematics

President | Nrityangana (Classical and Folk Dance Society of DTU) | Feb'18-Aug'19

- Event head of Annual inter-college folk dance competition for 2 consecutive years

Director of Community Services | Rotaract Club of Delhi Ashoka | Sep'18-Sep'19

- In the organizing team of blood donation camps and donation drives

Member | Elpha | Women Who Code Delhi | Delhi Women in Machine Learning and Data Science

Work Experience and Internships

June-Aug'19 Research Intern University of British Columbia, Canada
Worked on Derivative-free and Blackbox Optimization using Numerical Methods under Professor Warren Hare

May-Aug'18 Research Trainee Indian Statistical Institute, India
Studied Linear Algebra and Generalized Inverses under Professor Ravindra B. Bapat

Dec'17-Jan'18 Research Intern Jarita Eco Friendly Pvt. Ltd., India
Collected and compiled statistics about "The harmful effects of chemicals in everyday lives of infants"

Academic Projects

Since Aug'19 Learning Partial Differential Equations from Data
Application of Numerical Methods and Optimization algorithms in solving Partial Differential Equations from Noisy Data

June-Aug'19 Derivative approximations in Blackbox optimization
Use and comparison of Complex-step Derivative Approximations in Model-based Derivative-free Blackbox Optimization algorithms ;
Paper titled "Complex-step Derivative Approximations in Blackbox Optimization" to be presented at SIAM Conference on Optimization, 2020 and Derivative-Free Optimization Symposium, 2020

Jan-May'19 Fire station management - Database project
GUI application on Fire Station database management in python using PyQt for the front-end and MySql for the back-end with interface for both administrator and user

May- Aug'18 Generalized Inverses
Literature Review on computational aspects, properties and types of Generalized Inverses

Achievements

Nov'19 Udacity Technology Scholarship by Bertelsmann
Enrolled into challenge foundational course in Artificial Intelligence leading to a nanodegree

Jan'19 Mitacs Globalink Research Scholar
Scholarship for research internship in Applied Mathematics at University of British Columbia, Canada

Dec'18 Department Rank - 1
Scholarship for securing rank 1 in Department of Applied Mathematics till fifth semester

May'16 Academic Excellence
99.66 percentile in Engineering Entrance Examination | Award for Academic Excellence in high school

May'16 Best Orator Award
Award for public speaking skills in high school

May'14 Finalist - National Hindi Debate | Winner - CBSE Writing Series
Finalist at All India Hindi Debate Competition-2014 at Mayo College Girls School, Ajmer; Essay publication in "Central Board Writing Series: Musings on Sri Pengali Venkaya"

Online Open Courses

MOOCs Differential Geometry (Pre-PhD Course) by ICTP Diploma, Multivariable Calculus (Scholar Course) by MIT Open Courseware, Mathematics for Machine Learning Specialization by Coursera, Python for everybody Specialization by Coursera, Game Theory by Coursera