

EKANSH JHA

IMSc Applied Mathematics

UG(V Year I Semester)

Contact No: 8871776599

Email: ejha@ma.iitr.ac.in

Registration No: IMSc/MSM/15312011/2020

Indian Institute of
Technology
Roorkee



Area of Interest

Software Development, Number theory

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2019	IMSc 4th Year	Indian Institute of Technology, Roorkee	7.085
2014	Twelfth	Silver Bell's Senior Secondary School (CBSE)	91.6 %
2012	Tenth	St. Teresa Senior Secondary School (CBSE)	8.4

Internships

Micro-service Architecture using Docker and API Gateway | General Electric Healthcare 13 May'19 - 19 July'19

- Implemented microservice architecture.
- Deployed APIs with Kubernetes and Docker.

Product Management | Boston Ivy Healthcare Solutions Pvt. Ltd. 26 Nov'18 - 29 Dec'18

- Contributed to their product 'ViZi' as a developer.

Google Summer of Code'18 | LibreOffice 23 Apr'18 - 22 Aug'18

- Contributed towards the launch of LibreOffice 6.0.0, 6.1.0 and 6.2.0. with project "SmartArt Editing in Impress".
- Added support to smartart parameters to correctly render the smartart and implemented unit tests with the help of C++.

Research Assistant | Dept of Mathematics | The University of HongKong 29 Nov'17 - 16 Jan'18

- Worked on the topic "Representation of the integers as the sum of Pentagonal Numbers" in sage and pari-gp.

Projects

Miller Rabin Primality Tests and its Applications | Department of Mathematics, IIT Roorkee Feb'18 - May'18

- Used Computer algebra system Pari-gp to check a number is carmichael or not.

Data Analysis for Health Care | SDS Labs, IIT Roorkee Jan'18 - Apr'18

- Made web app for better data visualisation of the hospitals of multiple features and factors.

Microsoft Code Fun Do | Indian Institute of Technology, Roorkee 10 - 11'Mar 2018

- Successfully completed an app overnight as a part of Microsoft's Code.fun.do'18 hackathon.

Market Analysis of Bitcoins in India | Department of Management, IIT Roorkee Aug'17 - Nov'17

- Researched over how aware people are of bitcoins in India and analyzed it.

Awards / Scholarships / Academic Achievements

- Awarded HOD's letter of appreciation.
- Recipient of INSPIRE-SHE scholarship, by Government of India.
- Recipient of Merit-cum-means scholarship.

Skills

Computer languages C++, Java, Python, Angular6, MySql

Software Packages Containers, Kubernetes, Ambassador, Envoy Proxy, Docker Hub, Spring boot, Git, Sage, Pari-gp, Vim, Anaconda

Additional Courses Taken Mathematical Imaging Techniques, Database Management Systems, Linear Algebra, Design and Analysis of Algorithms Data Structures.

Languages Known English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Student Mentorship Program 2019 - 20

- Mentoring a group of freshman to foster healthy interaction and easier transition in campus life.

Event Coordinator at Cognizance 2016 - 17

- Managed events at IITR Annual Technical festival.

Marketing Team Member at IITR Team Robocon 2015 - 16

- Contributed to the Marketing of Team Robocon for the National event at Pune.

National Service Scheme (NSS) 2015 - 16

- Contributed to organising blood donation camps, clothes drive and clean drive.

References

Dr. Ben Kane

Assistant Professor
The University of Hong Kong
bkane@hku.hk
+852-28592261

Dr. R.K Pandey

Associate Professor
IIT Roorkee
ramkpfma@iitr.ac.in
+91-1332-284796