Ekansh Jha

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Education

Indian Institute of Technology, Roorkee
Int. MSc Applied Mathematics
Grad 2015-2020

St. Teresa Senior Secondary school(CBSE)
Grad. May 2014

Areas of Interest

Open source development
Web development
Number Theory

Links

Github:// ekanshjha
Portfolio:// ekanshjha
LinkedIn:// ekanshjha

Coursework

CS

Mathematical Imaging Techniques
Database Management Systems
Linear Algebra
Design and Analysis of Algorithms
Data Structures

Mathematics

Complex and Real Analysis
Probability and Statistics
Number Theory
Discrete Mathematics
Graph Theory
Numerical Methods

Experience

Adobe | Member of Technical Staff
Aug'20 - Present
- Working as a MTS in Digital Experience business unit

General Electric Healthcare | Software Developer Intern
May'19 - July'19
- Implemented microservice architecture.
- Deployed APIs with Kubernetes and Docker.

Boston Ivy Healthcare Solutions Pvt. Ltd. | Product Management
Nov'18 - Dec'18
- Contributed to their product 'ViZi' as a developer.

Google Summer of Code, LibreOffice | Student Developer
Apr'18 - 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++.

The University of HongKong | Research Assistant
Nov'17 - 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 - May'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
Mar'18
- 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.

Skills

Programming

C++, Java, Python, Angular6,
MySql

Software Packages

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

Languages Known

English (SRW) , Hindi (SRW)

EXTRACURRICULAR ACTIVITY

Trekking
Cook
Photographer

References

Dr. Ben Kane
Assistant Professor
The University of Hong Kong

Positions of Responsibility & Extra Curricular

Mentor at Student Mentorship Program
2019-2020
- Mentored a group of freshman to foster healthy interaction and easier transition in campus life.

Event Coordinator at Cognizance
2016-2017
- Managed events at IITR Annual Technical festival.

Marketing Team Member at IITR Team Robocon
2015-2016
- Contributed to the Marketing of Team Robocon for the National event at Pune.

National Service Scheme (NSS)
2015-2016
- Contributed to organising blood donation camps, clothes drive and clean drive.

Achievements

- Awarded HOD's letter of appreciation.
- Recipient of INSPIRE-SHE scholarship, by Government of India.
- Secured Bronze in shotput in High School