

# Pranjal Jain

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## EDUCATION

### IIT (BHU) VARANASI

BACHELOR OF TECHNOLOGY

GPA: 8.31

### MAJORED IN COMPUTER SCIENCE

Graduated in 2019

Interested in Algorithms, Data Structures and Operating Systems

## LINKS

Codeforces:// [TooDumbToWin](#)

Topcoder:// [praran26](#)

Github:// [praran26](#)

LinkedIn:// [praran26](#)

## COURSEWORK

### UNDERGRADUATE

Operating Systems

Artificial Intelligence

Data Structures

Algorithms

Databases

Parallel Computing

Networking

## SKILLS

### PROGRAMMING

Languages

- Go
- Python
- C
- C++
- Bash
- SQL

Technology, Frameworks and Utils

- Git
- CUDA
- OpenMP
- Django
- Flask
- Protocol buffers
- GCP services

## EXPERIENCE

### GOOGLE | SOFTWARE ENGINEER

Oct 2019 - Present | Warsaw, Poland

- Working on an internal GCP service that reduces the time and effort for a Google team or external provider to build, deploy and maintain a compliant GCP service.
- Won "Google Cloud Feats Of Engineering" award (team award).
- Distributed Architectures, Go, Concurrency, Protocol Buffers, GCP services.

### MICROSOFT RESEARCH | RESEARCH INTERN

May 2019 – August 2019 | Bangalore, India

- Worked on SCOPE compiler and optimizer to improve Azure Cosmos DB performance in terms of time and memory required.
- C#, C++, Compilers, Algorithms, Data Structures

### NUTANIX | INTERN, MEMBER OF TECHNICAL STAFF

May 2018 – July 2018 | Bangalore, India

- Worked with Nutanix Cluster Check (NCC) team to automate testing, collect additional data and create a dashboard to improve reliability and monitoring.
- Go, Protocol Buffers, Python, ElasticSearch

## SELECT PROJECTS

### SCALABLE AND INTERPRETABLE RECOMMENDER SYSTEM

Jan 2018 – Dec 2018 | IIT (BHU) Varanasi

- Implemented a distributed, scalable and interpretable recommender system using overlapping co-clustering.
- Used half-precision floating-point format to reduce communication volumes and improved load balancing.
- Message Passing (MPI), OpenMP

### SCALE-FREE SPARSE MATRIX MULTIPLICATION USING HETEROGENEOUS COMPUTING

Jan 2018 – April 2018 | IIT (BHU) Varanasi

- Implemented an algorithm to compute scale-free sparse matrix multiplication on GPU and CPU in parallel.
- Observed 10x speed up as compared to the serial counterpart.
- CUDA, Thrust library, OpenMP

## ACHIEVEMENTS

2018-2019	3 <sup>rd</sup> place	ACM-ICPC Asia Kolkata-Kanpur Regionals
2018-2019	5 <sup>th</sup> place	ACM-ICPC Asia Kharagpur Regionals
2017-2018	3 <sup>rd</sup> place	ACM-ICPC Asia Kolkata-Kanpur Regionals
2017-2018	6 <sup>th</sup> place	ACM-ICPC Asia Amritapuri Regionals
2018	151 <sup>st</sup> place	Google Distributed Code Jam
2018	244 <sup>th</sup> place	Facebook Hacker Cup