Amiya Tripathi

MTech CSE, IIT Kanpur

in amiya-tripathi-2830b843   ✉ amiyatripathi786@gmail.com   ⌂ amiyatripathi   ▢ 982-712-0857

EDUCATION

2021	M.Tech Computer Science	IIT, Kanpur	8.67/10
2019	B.Tech Computer Science	MITS, Gwalior	7.51/10
2014	H.S.C. Examination	BNP Memorial, Rewa	85.60 %
2012	S.S.C. Examination	BNP Memorial, Rewa	92.66 %

ACADEMIC PROJECTS

POS-tagger & Top-Down Parser for Machine Translation System | *Prof Ajai Jain*   *CS673A, Jan'20 - May'20*
- Implemented part of speech tagger & top-down parser for english sentences

Secure Dropbox | *Prof Pramod Subramanyan*   *CS628A, July'19 - Dec'19*
- Implemented a data storage mechanism, that helps in maintaining confidentiality and integrity of data stored on the "untrusted server"

Exploitation of Computer Systems and Web Applications | *Prof Pramod Subramanyan*   *CS628A, July'19 - Dec'19*
- Performed binary exploitation like buffer overflow, return oriented programming and web exploitation like CSRF, XSS, SQL Injection

Clustering of Moving Particles in 3D space | *Prof Preeti Malakar*   *CS633A, July'19 - Dec'19*
- Implemented parallel clustering algorithm to find number of clusters and their size on HPC2010 System

POSITIONS OF RESPONSIBILITY

- **Teaching Assistant**, *Fundamentals of Computing* -was responsible for conducting the weekly labs & grading| Jan'20 - Apr'20
- **Teaching Assistant**, *Fundamentals of Computing* -was responsible for conducting the weekly labs & grading| Aug'19 - Nov'19

ACHIEVEMENTS

- All India Rank 280, 99.7 percentile, in GATE-2019

SKILLS

Languages :	○ C	○ C++	○ Python	○ Scala
WebDev :	○ HTML	○ CSS	○ JavaScript	○ Node js
Others :	○ Git	○ GDB	○ Linux Shell	○ Tensorflow

COURSES

- Computer System Security
- Parallel Computing
- Designing Verifiable Secure Systems
- Advance Software Architecture
- Machine Translation
- Advance Algorithms and Data Struct.

HOBBIES

- Computer Gaming
- Watching Movies
- Cricket