Varun Garg

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▬▬▬▬ Academics

2015–2019	**Bachelor of Technology**, *Computer Science and Engineering*, Indian Institute of Technology Patna, **CPI : 7.97 (till 4th Semester)**. Presently in 5th Semester
2012–2014	**Intermediate**, *B.N Model Sr. Sec. School*, Chandigarh, **Percentage - 91 (CBSE)**.
2010–2012	**Matriculation**, *Bhavan Vidyalaya*, Chandigarh, **CGPA - 10 (CBSE)**.

▬▬▬▬ Research Projects

Title	**Secure Multi-Party Computations**.
Supervisor	Dr. S.R.Sudarshan Iyengar.
Institute	Indian Institute of Technology Ropar.
Duration	May 2016 - July 2016, *Summer Research Fellowship*.
Description	Understood the methods that are created for parties to jointly compute a function over their inputs while keeping those inputs private..

Detailed Achievements	○ Learnt NetworkX . It is a Python language software package for the creation, manipulation, and study of the structure, dynamics, and function of complex networks. Documentation is given **here.**
	 ○ Gave Presentations on the following papers:
	   – PageRank Beyond the Web.
	   – Path ORAM: An Extremely Simple Oblivious RAM Protocol.
	   – ObliVM: A Programming Framework for Secure Computation.
	 ○ Prepared a document on **Sensitive Networks** to facilitate the further research. .

Title	**Deep Knuckle**.
Supervisor	Dr. Aditya Nigam.
Institute	Indian Institute of Technology Mandi.
Duration	July 2017 - July 2017, *Summer Research Internship*.
Description	Data Augmentation on Knuckle Data .
Detailed Achievements	○ Got introduced to a completely new field : Deep Learning and understood some of the basic concepts ○ Did Data Augmentation of the limited data given which could be then put into the desired Neural Network. .

Other Coursework

Programming for Everybody (Python), University of Michigan.
Completed

An Introduction to Interactive Programming in Python, Rice University.
Ongoing

Cryptography, University of Maryland.
Ongoing

Technical skills

Programming Languages	C, C++, Python.
Web Development	HTML, CSS, Django (Familiar) .
Other Utilities	Git/GitHub, Linux, LaTeX.
Open Source	Contributor, *SymPy*.

Extra Curricular Activities

Co-Founder, TEDxIITPatna

Vice-Captain, Boys Table Tennis Team, IIT Patna

Director General, IIT Patna Model United Nations'17

Literary Secretary, Boys Hostel, Student Gymkhana, IIT Patna(2016-17)

Maintenance Secretary, Boys Hostel, Student Gymkhana, IIT Patna(2017-18)

Sub Coordinator, MPR, Anwesha'17 (Techno-Cultural Fest), IIT Patna

Secretary General, IIT Patna Model United Nations'18