

Education

- **Indian Institute of Technology Mandi** 2014 - present
B.Tech Computer Science & Engineering CGPA: 8.09
- **Mother Khazani Convent School, New Delhi** 2014
Class XII CBSE, School Topper Percentage: 97 %

Skills

Languages: C/C++(Proficient) Java, Python, HTML, Javascript, MySQL(Prior Experience)

Operating Systems: Linux, Windows

Utilities: Spring, Hibernate, Keras, Numpy, Git

Work Experience

- **Nucleus Software Exports Ltd, Noida** June '17 - July '17
Software Developer Intern
 - Built an end-to-end web application having RESTful services using Spring & Hibernate to store sensitive data securely following the requirements of PCI-DSS
 - Performed exact search and range queries on the data

Projects

- **BIOGAN: Generating biometric synthetic data** Aug '17 - present
Ongoing Major Technical Project
 - Designing a GAN neural network that can generate large quantity of high quality iris and fingerprint images
 - Developing a masterprint to spoof biometric systems
- **Concept Lattice using Titan Graph Database** April '17- May '17
Database Systems
 - Stored and queried a Concept Lattice stored in Titan Distributed Graph Database
 - Used Hadoop and HBase at the storage backend
- **iitpipe Driver** May '17
Kernel Programming
 - Implemented pipe by building a device driver in kernel to pipe two programs with delay
 - Measured performance of the pipe by using different delay and buffer sizes
- **Facebook Messenger Quotebot** July '16
Application Development
 - Built an automated messenger bot that can respond with quotes and images to keywords by user
 - Used Facebook Send/Receive API and Flask for web-request handling

Relevant Coursework

Data Structures & Algorithms, Algorithm Design & Analysis, Probability Statistics & Random Processes, Database Systems, Pattern Recognition, Operating Systems & Networks

Achievements

- 3rd Position at Topcoder Hackathon at IIT Mandi 2016
- 91st Rank in Microsoft Build the Shield contest 2016
- Represented IIT Mandi in Inter-IIT Sports Meet in TT and won medals in intra-college events 2015