Nikita Agrawal

Email : nktagrwl@gmail.com

Room-205, Parijat Nivas, IIIT Hyderabad

Mobile : +91-9133516166

Gachibowli, Hyderabad - 500032, India

Bachelor of Computer Science and Technology pursuing Masters in Computer Science and Engineering from IIIT Hyderabad.

EXPERIENCE

- **IBM India Pvt. Lmt., Full-time** Kolkata, India
  Associate System Engineer *May 2016 - June 2017*
  - **Hands on:** In SAP.ABAP as back end developer.
  - **Approximation Algorithm** Project: Centralized search from any department:To fetch information from any department from a centralized program which is department specific.

PROJECTS

- **Latent Semantic Analysis:** Created a multi-class perceptron based on SVD reduced tf-idf matrix.It can classify a new document into given multiple categories with 92.16% accuracy.
- **Piaza-Distributed key-value store** Consistent hashing, storage durability, fault tolerance have been provided to this system.It supports Multiple clients communication with a single coordinating server to fetch distributed value against a key.
- **Gnutella P2P File Sharing Utility:** Terminal based application to share files among the connected peers. Peer Information is provided by a Central Repository and the presence is maintained using heartbeats. An additional facility of RPC is also provided between the clients.
- **Linux Terminal Editor:** Implementation of a vi-clone which supports file viewing, editing and terminal commands in three modes of terminal execution.
- **Operating system framework for the 80x86 architecture-PintOS:** It involved thorough understanding of Operating system architecture. Simulated multiple scheduling algorithms like Priority, FCFS, RR and semaphore based scheduling.
- **Infrastructure File Management tool:** Tool which arranges clustered directories/folders on disks on the basis of files extension,unnecessary files to be zipped,deleted or relocated.
- **Masters Project(current):** Implementing PAAS,enabling creation of applications to monitor health,traffic or real world sensored data.Includes distributed networking and docker, zookeeper, message queues.

EDUCATION

- **International Institute of Information Technology** Hyderabad, India
  M.Tech in Computer Science Engineering; SGPA: 6.9 *July 2017 – Present*
- **Government Engineering College** Raipur, India
  B.Tech in Computer Science; Percentage: 76.13% *July 2011 – May 2015*
- **Intermediate** Chhattisgarh, India
  Chhattisgarh Board of Secondary Education; Percentage: 93.4% *July 2010 – May 2011*
- **High School** Chhattisgarh, India
  Chhattisgarh Board of Secondary Education; Percentage: 90.3% *July 2008 – May 2009*

SKILLS

Programming Languages: C, C++, Python, Bash,
Web: HTML, CSS
Technologies: GNU/Linux, LaTeX

OTHER ACHIEVEMENTS

- Secured Rank 1649 amongst 96000 candidates in GATE-2017 Computer Science.
- Ranked 7th in Intermediate over state(chhattisgarh)