

Deep Sanghavi

265 23rd Street, Brooklyn, NY 11215 | dhs408@nyu.edu | +1 (929) 393-4148 | www.deepsanghavi.com

EDUCATION

New York University, New York Expected - May 2021
Master of Science in Computer Science

University of Mumbai, India. Aug 2015-July 2019
Bachelor of Engineering in Information Technology

SOFTWARE SKILLS

- **Programming Languages:**
Intermediate - *Python, Java*
Basic - *C, C++*
- **Web Technologies:**
Intermediate - *HTML, CSS, Flask*
Basic - *PHP, Javascript*
- **Libraries & Tools:**
Intermediate - *pandas, BeautifulSoup, numpy, sklearn, GoAccess, Tableau*
Basic - *OpenWRT, Unity, Unreal Engine, AWS*

PROFESSIONAL EXPERIENCE

picoNETS, Mumbai, India June 2018 - Jan 2019
Data Analyst Intern

Analysis of Nginx Server Logs June 2018 - Aug 2018

- Designed a custom python script that extracts and loads the logs from the ubuntu mirror server hosted by the company into a remote database, extracting trends of various types of requests.
- Configured the server to give daily reports on metrics like bandwidth consumption, GeoLocation, hits, misses and other metrics of the requests.
- Recorded 2.4 million requests in the first month of deployment.

Study of Traffic over 4G Aggregators July 2018 - Dec 2018

- Assisted in setting up custom-made 4G aggregators consisting of different networks to work as one Wi-Fi hotspot using Open-WRT configured for load balancing.
- Setup the framework to gain useful insights like peak network usage from the logs generated by these aggregators which were deployed in a remote test location.

Optimization of Caching Server Oct 2019 - Dec 2018

- Deployed caching servers at a local ISP with a customer base of about 13,000 users
- Analyzed the logs generated by the server to profile the users on the basis of their network usage and their most requested URLs to give the ISP opportunity to make customer-friendly user plans.
- Generated a report to monitor the caching efficiency of the server over a period of one month.
- Provided a list of 10 most frequent sites visited by every customer to profile the user base of the locality into commercial and recreational users.

RELEVANT PROJECTS

Handwriting Recognition August 2018

- Used the MNIST dataset to train a model to classify a handwritten number into Computer memory.
- Optimized the model using custom Artificial Neural Networks with 95% accuracy.

Prediction of Real Estate Valuation Oct 2018

- Used Supervised Learning to improve the prediction of real estate valuation in the city of Boston
- Implemented the model using Stacked Regression.
- Documented and published in the International Journal of Engineering Development And Research.

Identify Technical Trends Across Online Forums Nov 2018 - Apr 2019

- Developed a framework that parses the metadata of questions spread over 147 domains, displaying the user trends on these platforms.
- Implemented using SQLite, shell and python.
- Compiled the reports for the capstone project for my undergraduate degree.

EXTRA CURRICULAR ACTIVITIES

- Initiated a teaching club that undertakes teaching data science concepts to juniors. Designed challenges and Conducted biweekly workshops with attendance of over 125 students across all departments.
- Participated in a monthly non-profit fundraiser and represented my township to assist education and sanitation for the underprivileged.
- Achieved Gold Medal in State Level Chess-Boxing Competition.
- Passionate about Running, gaming and solving complex sudoku puzzles.