

## EDUCATION

<b>Stony Brook, NY</b>	<b>SUNY, Stony Brook University</b>	<b>Expected: Dec 2019</b>
<ul style="list-style-type: none"><li>• Master of Science, Computer and Information Sciences.</li><li>• Coursework: Analysis of Algorithms; Asynchronous Systems; Operating Systems; Data Science; Artificial Intelligence; Computer Vision; Big Data Systems; Seminar in Algorithms.</li></ul>		
<b>Delhi, India</b>	<b>Delhi Technological University</b>	<b>May 2014</b>
<ul style="list-style-type: none"><li>• Bachelor of Technology (B Tech) in Computer Science Engineering.</li></ul>		GPA: 74.75%

## TECHNICAL SKILLS

- *Proficient:* C++; C; Python *Intermediate:* Java; JavaScript; HTML; CSS; XML; DistAlgo; Prolog.
- Microsoft Visual Studio; Perforce; GIT; Eclipse; JIRA; Code Collaborator; Jupyter Notebook; OpenCV.

## INDUSTRIAL EXPERIENCE

<b>Member of Technical Staff-2</b>	<b>Adobe Systems Corporation</b>	<b>Oct 2015 – Aug 2018</b>
<ul style="list-style-type: none"><li>• Implemented FDK client of document health report to find unresolved links in document. <i>C++, Factory Design</i></li><li>• Implemented feature of MRU and favorites file list to show on starter screen. <i>C++, HTML, CSS, JavaScript</i></li><li>• Ported our product from 32-bit to 64-bit architecture. Implemented IPC mechanism via pipes to enable synchronous communication between 64-bit exe and 32-bit DLLs. <i>C, C++</i></li><li>• Refactored code of referencing dialogs by using MVC architecture. <i>C, C++</i></li><li>• Fixed Cadence issue by writing formatting rules inline in the XML file to enable postprocessing of it. <i>XML, C++</i></li><li>• Optimized various code flows in the application using Visual Studio Profiler. <i>C++</i></li><li>• Promoted to MTS-2 in May 2016. Significant contributor for 2 successful releases of the product. Mentored 4 new college graduates from Aug 2017 to Aug 2018.</li></ul>		
<b>Software Engineer</b>	<b>SanDisk Corporation</b>	<b>June 2014 - Oct 2015</b>
<ul style="list-style-type: none"><li>• Implemented data structures and algorithms to efficiently store and retrieve the data from memory. <i>C</i></li><li>• Designed and implemented a new framework of compaction to increase the memory utilization by 3-4 %. <i>C</i></li></ul>		

## ACADEMIC PROJECTS

- **Ranking of Academic Papers Prediction:** Predicted ranking of academic papers available on arxiv.org. Considered parameters such as author's citations, domain popularity, page ranking algorithm to calculate paper score. *Python*
- **New York City Taxi Fare Prediction:** Predicted taxi fares in New York city using Random Forest Regressor. Dataset was taken from <https://www.kaggle.com/c/new-york-city-taxi-fare-prediction/data>. *Python, Regression, Visualization*
- **Google Analytics Customer Revenue Prediction:** Predicted natural log of revenue from a user on Google Store using LGBM regressor. Dataset was taken from <https://www.kaggle.com/c/ga-customer-revenue-prediction/data>. *Python*
- **Spam Filter:** Implemented Spam Filter using Naïve Bayes Classifier. Achieved precision of 95% and recall of 87% as the performance metrics in accuracy of spam detection. *Python, Machine Learning*
- **Viewstamped Replication Algorithm:** Implemented various operations like normal operation, view-change operation and recovery operation of viewstamped replication algorithm. Verified safety and liveness property as well. *DistAlgo*
- **Lamport Distributed Mutual Exclusion Algorithm:** Implemented Lamport mutual exclusion algorithm, verified its correctness and compared performance with different number of processes and requests. *DistAlgo, Python*

## ACHIEVEMENTS

- **Adobe Bravo Spot Award** (June 2017): Fixed critical memory leak issue faced by many important users.
- **Member of Adobe Technical Summit** (Feb 2017): One of the 3 selected members, out of 50 candidates to take part in Adobe Technical Conference in Adobe San Jose headquarters, California.
- **SanDisk Gold Award** (Jan 2015): Awarded Execute and Exceed Gold Award to lead a team of 8 members; successfully completed integrating of an important feature in our product before deadline.