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## Education

<b>Master of Science in Computer Science</b>	<b>Stony Brook University</b>	3.50	<b>Sept 2015 – Dec 2016</b>
<b>Related Course Work</b>			
• Design & Analysis of Algorithms   • Operating Systems   • Artificial Intelligence   • Computational Biology   • Network Security			
<b>B.E. in Computer Science</b>	<b>People's Education Society School of Engineering (PESSE)</b>	79.10/100	<b>Sept 2010 – Jun 2014</b>

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## Skills

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| • <b>Languages:</b> Java, C, C++, Python                               | • <b>Operating Systems:</b> Linux/Unix, Windows |
| • <b>Development Tools:</b> Spring MVC, Eclipse, netstat, tcpdump, Git | • <b>Database:</b> MySQL                        |
| • <b>Web/Frameworks:</b> Apache Solr, REST, Apache Tomcat              | • <b>Methodologies:</b> Agile                   |

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## Work Experience

**Altice USA | Software Developer Intern | New York, USA** Jun 2016 – Aug 2016

- Implemented an application in Java to design and manage articles and newsletters for Newsday website using Sailthru APIs.
- Worked on Apache Solr to perform fast text search for newsletters using real-time indexing.
- Designed and developed the application components in an Agile environment utilizing a test driven development approach.

**Samsung R&D Institute | Software Engineer | Bangalore, India** Jul 2014 – Jul 2015

- Responsible for API design and development of a B2B fleet management solution based on Samsung-Internet of Things (S-IoT) cloud platform using REST. The project was awarded 1<sup>st</sup> position in Samsung Tech Fair – Nipun 2014.
- Solely responsible for designing, maintaining and enhancing the dashboard for S-IoT usage statistics.
- Performed rigorous unit testing during development phase and achieved 73% code coverage.

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## Academic Projects

**Network Security (C) | Stony Brook University** Spring 2016

- Developed “DNS packet injector and detector modules” which perform and detect Man on the Side (MotS) attacks respectively.
- Developed a "plugboard" proxy for adding an extra layer of protection to publicly accessible TCP services by encryption.

**Kernel Programming (C) | Stony Brook University - Prof Erez Zadok** Fall 2015

- Implemented “Anti-Malware File System” – a stackable file system (similar to wraps) which checks for malicious pattern inside the file and quarantines them.
- Implemented “Asynchronous Job Execution” system call for processing I/O intensive processes like encryption/decryption. Implemented a callback mechanism using Netlink sockets to update the user with the status of the given task.

**Artificial Intelligence (Python) | Stony Brook University** Fall 2015

- Designed and developed a Naïve Bayesian Classifier for “classifying Handwritten numerals”.
- Implemented the game “Peg Solitaire” using two different search methods: Iterative Deepening Search and A\* Search.

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## Honors and Achievements

**In-house Shark Tank | 1<sup>st</sup> Position | Altice USA**

- Worked on designing a business model to leverage Altice’s WiFi hotspots for providing small businesses in and around the tri-state area with semantic data analysis on customer trends and footfall.