

## EDUCATION

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- **Stony Brook University** Stony Brook, NY  
*Masters in Computer and Information Sciences; GPA: 3.25* *Aug. 2018 – Expected Dec. 2019*
- **GITAM University** Visakhapatnam, India  
*B.Tech in Computer Science and Engineering; GPA: (9.03/10.0)* *Jun. 2013 – Apr. 2017*

## EXPERIENCE

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- **Deloitte** Hyderabad, India  
*Cyber Security Advisor* *Jul. 2017 - Jul. 2018*
  - **Splunk Web Apps:** Designed Splunk Visualizations using D3.js and Developed Applications in Splunk incorporating Data Models for complex machine data of Financial Services.
  - **Interfaces & Dashboards:** Developed web interfaces and reporting dashboards for AWS which feed data in real time to assess the infrastructure.
  - **Infrastructure Security:** Conducted risk assessments and collaborated with clients to provide recommendations regarding critical infrastructure and network security operations enhancements.
  - **Security Operations Center (SOC):** As a prime member of Security and Operations Center(SOC), designed and developed Intrusion Prevention Systems and Deconstruct Malware Software.
- **Pena4 Tech Pvt. Ltd** Visakhapatnam, India  
*Software Developer Intern* *May 2016 - Jun 2016*
  - **Operation:** Interned directly under the Vice President of Operations understanding and defining the workflows of project implementation.
  - **Development:** Developed Asset Management System Software for the company to optimize their pre-existing system with inputs from the Data Architects.
  - **Workflows:** Involved in developing the back-end systems of the company's Global Hospital Clients.

## PROJECTS

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- **Paraphrase Detection (State-Of-The-Art):** Implemented a state-of-the art paraphrase detection system using (BiMPM) model, for each, matching and aggregation layers and added an additional Attention layer which further increases the accuracy by 2.4 %.
- **Revenue Prediction and Insights (G-Store):** Developed a prediction model which takes the G-store back-end data logs and produce insights on customer and geographical area wise plots so as the businesses can get a gist of their unstructured data and their predicted revenue.
- **Recommendation System:** Developed a recommendation system for the Amazon Checkout cart datasets. Increased the accuracy of the results of K-means algorithm by up to 2 % by using weighted K-means algorithm.
- **Parallel Kmer Estimate:** A Streaming Algorithm for Estimating k-mer Counts with Optimal Space Usage, decreased the processing time by 13 % using parallelization techniques.
- **Health Medicine Recommendation System:** Developed and Implemented Web based application where the user can enter symptoms and get the medication, book an appointment with a doctor or have a chat with the doctor available using a chat-box built in the application.
- **Word2Vec, Dependency Parser:** Developed Word2Vec library and used it to implement the Arc-standard algorithm to construct a Transition based Parser using Neural Network.
- **Predictive Modelling:** Developed a predictive model which calculates the taxi fares from one point on the map to other. The model is trained using complex models like XGBoost, LightGBM on pre-existing data collected from various sources.

## PROGRAMMING SKILLS

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- **Languages:** Python, Java, D3.js, JavaScript, C++, AJAX, PHP, PL/SQL, HTML5, CSS, MySQL, Node.js
- **Technologies:** Nessus, Splunk, Metasploit, Wireshark, Burp Suite, Qualys, AWS, LAMP stack, Kali Linux, Hadoop, Tableau, TensorFlow