

# PAVAN KUMAR PEELA

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## EDUCATION

### STONY BROOK UNIVERSITY

M.S. COMPUTER AND  
INFORMATION SCIENCES  
Expected Dec 2019

### GITAM UNIVERSITY

B.TECH. COMPUTER SCIENCE  
AND ENGINEERING  
Apr 2017 | GPA: 9.03/10.00

## SKILLS

### COMPUTER

Java • Python • D3.js • PHP • C++ •  
AJAX • JavaScript • PL/SQL •  
HTML5 • CSS • MySQL • Node.js

### TECHNOLOGIES

•Nessus • Splunk • Metasploit •  
Wireshark • Burp Suite • Qualys •  
AWS • LAMP stack • Kali Linux •  
Hadoop • Tableau • TensorFlow

## ACHIEVEMENTS

- Deloitte - Applause Award for attention to detail, positive attitude, and work ethic.
- Undergrad - Topped the Class of 2017, Best Coursework Project Award.

## COURSEWORK

### GRADUATE

Computer System Security  
Data Science Fundamentals  
Natural Language Processing  
Big Data & Analytics

### UNDERGRADUATE

Cryptography and Network Security  
System Security  
Data Analytics  
Cloud Computing  
Operating Systems  
Machine Learning  
Database Management Systems  
Computer Networks

## VOLUNTEERING

- Make a Difference - Oversaw child shelter at Hyderabad.
- Fund Raising Volunteer - Papa Home Orphanage

## EXPERIENCE

### DELOITTE | CYBER SECURITY ADVISORY ANALYST

July 2017 - July 2018 | Hyderabad, India

- Designed and Developed Visualizations and Applications in Splunk incorporating Data Models for complex machine data of Financial Services.
- Conducted risk assessments and collaborated with clients to provide recommendations regarding critical infrastructure and network security operations enhancements.
- As a prime member of Security and Operations Center (SOC), designed and developed Intrusion Prevention Systems and Deconstruct Malware Software.
- On hands experience on Anti Money Laundering (AML) and KYC Remediation.

### PENA4 TECH PVT. LTD | SOFTWARE DEVELOPER INTERN

May 2016 - June 2016 | Visakhapatnam, India

- Interned directly under the Vice President of Operations.
- Developed Asset Management System for the company to optimize their pre-existing system with inputs from the Data Architects.

### COMPUTER SOCIETY OF INDIA (CSI) | VICE PRESIDENT - GITAM CHAPTER

June 2015 - May 2016 | Visakhapatnam, India

- Increased the CSI Student Community from a mere 60 people to over 300 by organizing frequent meetups and influencing people about the society and the work being done.
- Responsible for leading 300 society members in organizing Annual State Level Technical Symposium 'Praudyogiki2016' for which the registrations exceeded over 800, making it the biggest symposium of the University.
- Singlehandedly took Responsibility of developing a website for moving the registrations of the Symposium online making the subtle concept to be 'paperless and go digital' more vibrant in the Symposium.

## PROJECT EXPERIENCE

### PARAPHRASE DETECTION (STATE-OF-THE-ART SYSTEM) - NLP

Fall 2018 | Coursework Project | Stony Brook University

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 OF THE GOOGLE STORE (G-STORE)

Fall 2018 | Side Project | Stony Brook University

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.

### ENHANCED RECOMMENDATION SYSTEM USING CLUSTERING AND PARTITIONING

Spring 2017 | Coursework Project | GITAM University

Developed a recommendation system for the Amazon Checkout cart datasets. Increased the accuracy of the results of K-means algorithm by up to 2 %.

### HEALTH MEDICINE RECOMMENDATION SYSTEM

Fall 2016 | Side Project | GITAM University

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.