

## **Venkata Vineeth Gutta**

4 Ashdale Circle  
Newark, Delaware 19702  
vineethg@udel.edu  
302-690-9262

## **Research Interests**

Machine Learning, Computer Vision, and Cyber Security

## **Education**

University of Delaware, Newark, DE  
Bachelor of Science in Computer Science (GPA: 3.43), May 2019  
First year PhD student in Computer Science  
Currently TA for Introduction to Data Mining

*Select relevant coursework:* Algorithms, Data structures(C++), Computer Vision(Python), Secure Software Design(C++), Web Application Security(React JS), Advanced Web Technologies(Angular), Parallel Programming(C++), Operating Systems(C++), and Software Engineering(Java & AngularJs), Multi-agent Systems and Computational Game theory, Applied Cryptography, IoT and Embedded Systems Security.

## **Research Experience**

*Vertically Integrated Projects(VIP):* Cloud Crypto

- Machine Learning, Jan 2018-Present: Worked on a program to convert American Sign language to speech/text using a deep feed forward neural network. It will eventually give users option to communicate with voice assistants like Alexa and will be web based to make it universally accessible.

*Babbage analytics, Summer 2018:*

Devised a way to predict characteristics and other metrics about a user based on their interaction with a web page. The technique involves combining data from many sources such as Google Analytics and network traffic data.

## **Honors/ Awards:**

*International Merit Scholarship:* \$16,000 undergraduate scholarship.

*Dean's list:* Fall 2016, Spring 2017, Spring and Fall 2018

*Best Software (Hoya Hacks: Georgetown University), January 2018*

- Built a program that converts hand gestures to speech using a MYO armband

## **Memberships/ Affiliations**

*Linux Users Group at University of Delaware, Fall 2017- Present:* Active member of a student organization dedicated to bringing together technologists interested in exploring free and open source operating systems in addition to other related

technological topics. Personally spearheaded two local Hacktoberfests that introduce members to open source contributions.

*Cyber Security CTF(Capture the Flag) team at University of Delaware, Fall 2018-*

*Present:* Primarily helped solve the web and cryptography challenges in the CTF's the team participated in.

*Open Data Delaware, Spring 2018- Present:* Civic tech group dedicated to exploring how data can make a positive impact in the local Delaware area communities.

Personally helped collect data to bridge information gap between parking data available on street and online. Performed exploratory data analysis on private garage parking data to provide more insights in maps the group created for public use.