

Venkata Vineeth Gutta

vineethg@udel.edu | 302-690-9262

EDUCATION

University of Delaware

College of Engineering

Bachelor of Science

Major: Computer Science

GPA: 3.43

Relevant Course Work: Data Mining, Machine Learning, Secure Software Design, Web App Security, Embedded Systems, Computer Vision, Applied Cryptography

Newark, DE

June 2019

Doctor of Philosophy

Major: Computer Science

GPA: 3.93

Relevant Course Work: Algorithm Design & Analysis, Networks, Artificial Intelligence, Deep Learning (DL), Computer Architecture, Bioinformatics, Human Centered AI, Natural Language Processing, Applied Game Theory

June 2024

TECHNICAL SKILLS

- Languages: Java, Python, React JS, Node JS, C++, Bash, SQL
- Software: Git, Eclipse, Docker, PyTorch, tensorflow, ONNX, REST, relational databases, NoSQL
- High Performance Computing (HPC) software: Singularity, Slurm, Horovod

EXPERIENCE

Leidos/ National Cancer Institute/ NIH

Computational Researcher

Newark, DE

June 2021 - Present

- Spearheaded efforts to increase portability of DL based biomedical applications
- Incorporated techniques such as containerization for consistent performance across various systems
- Expanded the number of HPC systems such applications run on including the cloud (AWS and Oracle)
- Deployed these applications on newer hardware architectures including ARM based A64FX processors

University of Delaware

Graduate Teaching Assistant

Newark, DE

August 2019 - May 2021

- Assisted in several courses including Data Mining and Software Engineering
- Taught labs for Software Engineering and lead a team of undergrad and graduate TAs
- Incorporated agile methodologies such as code reviews into the curriculum

University of Delaware

Instructor

Newark, DE

June 2020 - August 2020

- Taught the intro to object-oriented programming course
- Planned, designed, and revised syllabi, curriculum, and instruction content to enhance student learning and experience
- Achieved high ratings based on anonymous student feedback (4.57/5.0)

ACTIVITIES

Linux Users Club at University of Delaware

Board Member

Fall 2017 – Fall 2019

- Organized community events such as Hacktoberfest

Cyber Security CTF (Capture the Flag) team at University of Delaware

Fall 2018 – Fall 2019

- Primarily helped solve the web and cryptography challenges in the CTFs the team participated in

Open Data Delaware

Spring 2018 – Fall 2019

- Civic tech group dedicated to exploring how data can make a positive impact in the local Delaware area communities