Aashish Gottipati

(801) 648-3116 | agottipati@utexas.edu | https://agottipati.netlify.app | Austin, Texas

Education

Doctor of Philosophy, Computer Science **GPA: 4.00** May 2027
University of Texas Austin Austin, TX
Master of Science, Computer Science **GPA: 3.95** May 2022
University of Utah Salt Lake City, UT
Bachelor of Science, Computer Science **GPA: 3.96** May 2021
University of Utah Salt Lake City, UT
Associate of Science, General Studies **GPA: 3.96** August 2018
Weber State University Ogden, UT

Technical Skills

Python, C#, Java, C++, C, Swift, Matlab JavaScript, HTML, CSS AWS, Jira, GIT, Docker, MySQL

Experience

AI Software Engineer Intern January 2022 – Present
PassiveLogic Holladay, Utah

- Implemented a visualization dashboard for displaying nightly performance metrics.
- Created a weather model for real-time inference, improving accuracy by 30%.

Graduate Research Assistant May 2021 – May 2022
University of Utah Salt Lake City, Utah

- Conducted state of the art research on National Radio Dynamic Zones.
- Realized an NRDZ simulation suite to help emulate and model NRDZ environments.

Software Engineer Intern August 2020 – May 2021
Northrop Grumman Clearfield, Utah

- Implemented new user features for the APIMS web application with React JS.
- Dockerized development environments, decreasing deployment time by 75%.

Research Intern (REU) May 2020 – August 2020
POWDER Salt Lake City, Utah

- Designed and realized a new programmable RAN management architecture.
- Reduced vulnerable LTE network space by 50% through network function virtualization.
- Presented state of the art research on 5G Radio Access Network Security.

Publications

- Aashish Gottipati, Alex Stewart, Jiawen Song, and Qianlang Chen. 2021. FedRAN: Federated Mobile Edge Computing with Differential Privacy. In Proceedings of the 4th FlexNets Workshop on Flexible Networks Artificial Intelligence Supported Network Flexibility and Agility (FlexNets '21). Association for Computing Machinery, New York, NY, USA, 14–19. DOI:https://doi.org/10.1145/3472735.3473392.
- A. Gottipati and J. Van der Merwe, "BoTM: Basestation-on-the-move, a Radio Access Network Management Primitive," *IEEE INFOCOM 2021 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS)*, 2021, pp. 1-6, doi: 10.1109/INFOCOMWKSHPS51825.2021.9484447.

Honors & Affiliations

- Association of Computer Machinery Member
- University of Utah FLUX Research Group

*More information provided on my personal website listed at the top.