SAAHIL JAIN

New York, NY | (551) 344-6681 | sbj7913@nyu.edu | https://www.linkedin.com/in/saahiljain98

EDUCATION

New York University, GSAS, Center for Data Science, New York, NY   May 2024
Master of Science in Data Science
GPA: -

PES University, Bengaluru, India   May 2021
Bachelor of Technology in Computer Science and Engineering, Specialization - Data Science
GPA: 8.95 / 10
Scholarships: *Prof. CNR Rao Merit Scholarship*

SKILLS

Coding Languages: Python, SQL, R, C, C++.
Operating Systems: Mac, Windows, Linux
Other Tools: TensorFlow, Keras, Scikit Learn, Numpy, Pandas, Google Workspace, Slack, Microsoft, Teams, Zoom.
Languages: Hindi (*Native*)

EXPERIENCE

Software Engineer, **Citrix,** India   7/2021 – 8/2022
- Updated SSL protocols to ensure compatibility and better security for the Citrix ADC Service.
- Led a team of 6 employees to 1st place at the Citrix New-Hire Tech Project Competition.
- Designed a Slack chatbot equipped with natural language processing(NLP) to provide IT/HR solutions.

Software Engineer Intern, **Citrix,** India   1/2021 – 6/2021
- Optimized the costs for Citrix by devising an architecture to create Citrix-managed ADC used by multiple clients to ensure maximum utilization.
- Validated AWS role ARNs of customers, to provide seamless ADC deployment and service.

Teaching Assistant (Machine Intelligence), **PES University,** India   8/2020 – 12/2020
- Created video lectures explaining various topics in Machine Learning and Artificial Intelligence.
- Automated the assessment of assignments submitted by students.

Student Developer, **Microsoft,** India   7/2020 – 8/2020
- Collaborated with 5 student developers from around the world on a project called Reimagining Healthcare, which personalized healthcare services in the post-covid world.
- Developed computer vision solutions to improve assistance for patients and ensure implementation of safety protocols.

Student Mentor, **PES Innovation Lab, PES University,** India   5/2020 – 7/2020
- Counseled 3 student interns on a Neural Ordinary Differential Equations project.

Machine Learning Intern, **Microsoft Innovation Lab, PES University,** India   6/2019 – 7/2019
- Developed an autonomous car on a simulator called Carla.
- Studied the effect of Reinforcement learning for the problem over the popular Imitation learning approach.

PROJECTS

Font Generation using Neural Cellular Automata   Fall 2020
- Generated new fonts for languages like Kannada having limited existing fonts.

Moving Target Interception using Multi-Agent Reinforcement Learning   Spring 2020
- Achieved coordination among autonomous agents to work together to catch a moving target programmed to avoid them.

Instrument Identification in Audio Clips using Machine Learning   Fall 2019
- Developed a software to identify 1 of 25 musical instruments from audio clips with various kinds of noise.

Hybrid Neural Network Library for Python   Spring 2019
- Designed and developed my own neural network to push the boundaries of regular neural networks.
- Developed a trainable neural network without the use of back propagation algorithm, by leveraging genetic algorithm.
- Achieved non-linearity in outputs without using activation functions by using an extra hybrid neuron in each layer with specialized functions to achieve the required results.

VOLUNTEER EXPERIENCES

- ***Community Volunteer****,* Fly Higher India, Bengaluru, India   March 2019 – May 2022