

THARANGINI SANKARNARAYANAN

Jersey City, 07302 | (201) 238 7819 | ts4180@nyu.edu | LinkedIn | GitHub

EDUCATION

- | | |
|---|--------------------------------------|
| New York University Center for Data Science, New York, NY, U.S. | Expected Graduation: May 2023 |
| <ul style="list-style-type: none">• Master of Science in Data Science, GPA: 3.67/4.0• <i>Relevant Coursework: Introduction to Data Science, Computational Cognitive Modeling, Big Data, Machine Learning</i> | |
| Universitat Politècnica de Catalunya School of Informatics, Barcelona, Spain | February 2019 – June 2019 |
| <ul style="list-style-type: none">• Bachelor's Thesis in Deep Learning• Title: "Realistic Face Rendering for 3D Mixed Reality Experience ", Advisor: Dr. Nuria Castell Ariño, GPA: 9.5/10 | |
| SASTRA University School of Computing, Thanjavur, India | June 2015 – June 2019 |
| <ul style="list-style-type: none">• Bachelor of Technology in Computer Science and Engineering, GPA:8.19/10.0, Awards: Dean's List recipient• <i>Relevant Coursework: Discrete Mathematics, Data Mining, Natural Language Processing, Machine Learning</i> | |

EXPERIENCE

- | | |
|--|----------------------------------|
| Teaching Assistant New York University, New York, NY, U.S. | January 2022 - Present |
| <ul style="list-style-type: none">• Grader for <i>Introduction to Machine Learning</i> for a class of 180 undergrads.• Responsible for grading homework, papers, examinations, and providing input into the development of assignments. | |
| Research Assistant SASTRA University, Time Series Analysis Lab, Thanjavur, India | July 2020 - March 2021 |
| <ul style="list-style-type: none">• Conceptualized a pipeline for interpretability and uncertainty estimation of deep learning models which perform various image processing tasks.• Devised the pipeline on urban vehicle traffic datasets to understand information flow and representation in internal layers and to quantify model predictions. | |
| Trainee Decision Scientist Mu Sigma Decision Sciences, Bangalore, India | October 2019 – March 2020 |
| <ul style="list-style-type: none">• Formulated EDA on metadata of entire data warehouse using Python to extract practical insights, used string matching and cosine similarity to generate redundancy score, and estimated functional redundancy present in data warehouses.• Collaborated and communicated data-driven insights and ideas to cross-functional teams of product owners, fellow analysts, and marketers. | |
| Student Instructor SASTRA University, Thanjavur, India | July 2017 - December 2018 |
| <ul style="list-style-type: none">• Taught <i>Programming in C</i> and <i>Introduction to Python</i> to undergraduate students, part of the responsibility as of the Association of Computer Engineers, SASTRA University.• Planned and led tutorials and doubt clearing sessions for a class of 100+ undergrads. Compiled and consolidated resources for course projects and assignments. | |
| Associate Research Intern ZoomRx Healthcare Solutions, Chennai, India | May 2018 – July 2018 |
| <ul style="list-style-type: none">• Preprocessed data of clinical trials and drug usage in project FERMA.AI.• Built AI bot to automatically answer questions raised by customers using Python about medical treatments, ETL to fetch data based on intent. Reduced response time by 40%. | |

SKILLS

- **Programming Languages:** *Advanced:* Python, SQL; *Intermediate:* Java; *Basic:* C, C++
- **Tools:** PyTorch, scikit-learn, NumPy, Matplotlib, Git, Spark, Hive

CERTIFICATIONS

- | | |
|---|----------------------------------|
| • Deep Learning Specialization by DeepLearning.AI | October 2021 - Present |
| • Algorithms Specialization by University of California, San Diego & Higher School of Economics | March 2017 - August 2017 |
| • Machine Learning Specialization by University of Washington | October 2016 – July 2017 |
| • MIT Sloan - Introduction to Computer Science and Programming using Python | January 2016 – April 2016 |

LEADERSHIP/PROFESSIONAL AFFILIATIONS

- | | |
|--|---------------------------------|
| • <i>Graduate Student Community Building Group Executive Board Member, New York University</i> | September 2021 - Present |
| • <i>Women in Data Science Executive Board Member and Events Director, New York University</i> | September 2021 - Present |
| • <i>Judge Advisor, Technovation Girls, Technovation</i> | July 2019 - Present |
| • <i>Member, Collegiate Community, Society of Women Engineers (SWE)</i> | June 2016 - Present |