# SURYAVARDAN SURESH

📞 +1 929 691 7963 | ✉ suryavardan17@gmail.com | 🔗 Linkedin | 🌐 Portfolio

## Education

**New York University (Graduate School of Arts and Science)**         **Aug 2023 - May 2025**
*MS in Computer Science (Courant)*                                              *GPA: 4.00*

**Indian Institute of Information Technology (IIIT) Sri City**         **Aug 2019 - May 2023**
*B.Tech in CSE with Honors (Transfer Learning and GANs)*                        *GPA: 8.96*

## Skills

**Technical Skills**: Python (Pytorch, Tensorflow, Numpy, Matplotlib, Django etc.), Matlab, Java (MERN), SQL, C/C++, HTML/CSS/JS/Bootstrap, Github

**Coursework**: [MS] Conceptual Gaps in Modern ML, Cloud and ML, Predictive Analytics, OS, Fundamental Algorithms, [BTech] ML, NLP, OOPS, AI, DSA, Web Application Development, Data Mining, Communication Skills, DBMS etc.

**Certifications**: Deep Learning Specialisation, Build Better GANs, Natural Language Processing, Web Development for Everybody, Machine Learning with Python

## Experience

**Artificial Intelligence Institute of UofSC**                         **Aug 2022 - Present**
*Research Intern*                                     *Deep Learning, Python, Tensorflow*

- Collaborating with researchers on projects related to discerning Hallucination in LLM Text Generation. Previously worked on developing Joint Embeddings for multi-modal data.

**Wipro AI Lab**                                                       **Apr 2021 - Aug 2022**
*Research Intern*                              *Data Science, Deep Learning, Python, PyTorch*

- Organizing Committee for the De-Factify workshop 🔗 at AAAI, curated and analyzed datasets of size 50,000 and 10,000 for 2 tasks with a total participation of 34 teams.

**TechCiti Software Consulting PVT LTD**                               **Jul 2020 - Aug 2020**
*ML Intern*                                          *Scikit-learn, Python, Kaggle, Django*

- Designed a web based Loan application and approval prediction project with a 78% accuracy, after receiving training as part of the internship.

## Publications 🔗

- **Unsupervised Domain Adaptation Supplemented with Generated Images (2022)**.
  *Suryavardan S, Viswanath Pulabaigari, Rakesh K Sanodiya* - ICONIP 2022
- **FACTIFY: A Multi-Modal Fact Verification Dataset (2021)**. *Shreyash Mishra, Suryavardan S, Amrit Bhaskar, Parul Chopra, Aishwarya Reganti, Parth Patwa, Amitava Das, Tanmoy Chakraborty, Amit Sheth, Asif Ekbal, Chaitanya Ahuja* - DeFactify workshop @ AAAI 2022
- **Memotion 2: Dataset on Sentiment and Emotion Analysis of Memes (2021)**. *Sathyanarayanan Ramamoorthy, Nethra Gunti, Shreyash Mishra, Suryavardan S, Aishwarya Reganti, Parth Patwa, Amitava Das, Tanmoy Chakraborty , Amit Sheth, Asif Ekbal and Chaitanya Ahuja* - DeFactify workshop @ AAAI 2022
- **Virtual Try-On using Style Transfer (2021)**. *Rakesh Kumar Sanodiya, Ravi Ranjan Prasad Karn, Eswara Surya Chandaluri, Suryavardan S, and L Ranajith Reddy* - ICDSE 2021

## Projects

**Deep Learning** | *Pytorch, Langchain, Tensorflow, HPC*

- Pioneered a QnA-chatbot on LENR-research data and compared performance of SOTA open-source LLMs with grid search on parameters, under the supervision of Prof. Anasse Bari and Prof. David Nagel [ongoing paper]
- Achieved 93% validation accuracy on the Roman Dialect Identification VarDial NLP shared task
- Earned top 15 percentile in the Deep Learning bootcamp 🔗 conducted by DPhi

**Metro Simulation** 🔗 | *Agent-based modelling, Netlogo*

- Created an ABM tool for simulation and evaluation (congestion, wait-time) of any city's metro architecture - with provision for excel input data (routes, passenger count) [10 grade points]

**Web Development** | *React, Node.js, MongoDb, REST API, Docker, Django, SQL, JS, Bootstrap*

- Designed ShoeBox 🔗, an e-commerce website for shoes with a social media aspect added to it. Used APIs for pagination, filtering, Redux, documentation etc. [10 grade points]
- Developed a end-to-end Donation Platform 🔗 for the sem project, including Admin, Donor and NGO modules [9 grade points]