SURYAVARDAN SURESH

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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*

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]

Others

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

Coursework: [MS] Predictive Analytics, Programming Languages, Fundamental Algorithms, [BTech] ML, Natural Language Processing, 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