

## SANJANA SURESH

Arlington, Texas

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### SUMMARY

Passionate Data Science graduate student with 2.5+ years' experience in enhancing Data Flow, Data Lake creation and management, resulting in improved customer experience. Experienced in building projects on AI and Machine Learning models using Regression and CNN, for real-world problems. Proficient in gaining insights through visualization and statistical techniques to drive effective decision-making, seeking an Internship opportunity to leverage my skills in data-driven projects.

### WORK EXPERIENCE

#### Senior Systems Engineer, Infosys Limited

Jan 2021 – Jul 2023

Chennai, India

- Resolved persistent issue of data retrieval affecting payment flow of long-term users resulting in **retention of 500+ customers**
- Handled large unstructured data from different systems through **Data Wrangling** and Orchestration techniques
- Analysed data metrics, discovered and resolved high-impact bug saving a potential **\$1.5M financial impact** to business
- Authored asset on the Infosys Cobalt Platform that served as **whitepaper to enable employees** across the organization
- Initiated business improvement to track certificate expiry by implementing visualisation dashboard integrated with ServiceNow
- Administered production applications independently of track, **achieved 100% Service Level Agreement** of priority incidents
- Mentored new team members through knowledge sharing sessions to ensure project readiness

#### Intern Schneider Electric

May 2018 – June 2018

Chennai, India

- Hands-On training on Schneider's proprietary algorithm - OPTiCS that uses **Advanced Pattern Recognition (APR)** for early warning notification and diagnosis of equipment issues.
- Attained insights on Schneider's **Predictive Asset Analytics** line of solutions.
- Configured and developed predictive models for gas industry and factories to forecast fire alarms and downtime.

### AWARDS:

- Insta Award(Infosys Limited) in recognition of improving API response time **improving sales by \$400K** Oct 2021

### DATA-DRIVEN PROJECTS

- Student Shelter - Recommendation System for finding student accommodation** Sep 2023
  - Aimed to match students with a shared space with those who are in need using Collaborative Filtering Techniques
  - Performed Data Wrangling and cleaning on large unstructured data from housing group chats and created dataset
  - Learnt to parse messages and classify data into columns and working on matching algorithm using similarity of features
- Safe Local Navigation of Visually Impaired with a haptic feedback device using ML algorithms** Dec 2019 - Mar 2020
  - Aimed to build a working prototype of a haptic strap to help visually impaired navigate and create a virtual map of their surroundings.
  - ML model was built using Convolutional Neural Network (CNN) for object recognition by gathering and training large real-time image datasets of everyday objects.
  - Gained hands-on knowledge on data cleaning and building a supervised learning model for data classification.

### EDUCATION

- Master of Science in Data Science** May 2025  
University of Texas at Arlington Texas, United States
- Bachelor of Electrical and Electronics Engineering** Sep 2020  
Anna University Chennai, India  
GPA: 3.9 (University Rank 9)

### TECHNICAL SKILLS

- Languages:** Proficient in Python (NumPy, scikit-learn, TensorFlow, Pandas) and R programming, SQL, C++, Data weaving
- Technology:** Machine Learning, Tableau, MuleSoft, AWS, Salesforce, SAP
- Tools:** Jupyter Notebook, PyCharm, Agile, R Studio, Postman, Microsoft Office Suite, Matlab
- Microprocessor and Microcontroller:** RaspberryPi, Arduino