LEELA SRIJA ALLA

Email : *srijaalla1001@gmail.com* | **Mobile** : *+1 (716) 705-1957* | **Links** : Github, Linkedin

EDUCATION

University at Buffalo (SUNY) *(2023 - 2025)*	Masters in Computer Science	CGPA: ***3.83/4.0***
University of Hyderabad *(2017 - 2022)*	Integrated Masters in Technology, Computer Science **Honor:** *Best Student Paper at 19th International* Conference on Distributed Computing and Intelligent Technology 2023	CGPA: ***3.39/4.0***

WORK EXPERIENCE

- **SOFTWARE ENGINEER**, One Convergence Devices Pvt Ltd, Hyderabad *(Aug 2022 - Apr 2023)*
  - Bulit a user interface for DKube to enable users to deploy models with a few clicks using ReactJS.
  - Proficient in Kubernetes and Docker, actively contributing to seamless deployment processes.
- **FULL STACK WEB DEVELOPER (Intern)**, Jindal Trading Co., Delhi *(Oct 2020 - Dec 2020)*
  - Pioneered the conception and realization of an E-Commerce hub during the COVID era to streamline new user onboarding, catalyzing a remarkable traffic upswing from 40 to 70 daily visitors and contributing to a 15% increase in overall sales.
  - Employed advanced Search Engine Optimization (SEO) strategies to fortify website performance, resulting in a 20% boost in conversion rates. Successfully contributed to driving business growth by recruiting potential candidates to take over.
  - Led a team of 4 members and was also a part of hiring new interns.

PROJECTS

- **Crime Analysis in Los Angeles** *(Sep 2023 - Nov 2023)*
  - Performed data Visualisation and cleaning on Los Angeles Crime Dataset. Developed and evaluated machine learning models like Logistic Regression, KNN, and K-Means Clustering to classify crime types and identify hotspots. Optimized models for interpretability and performance.
  - Made an Interactive User Interface for police to predict different aspects of crime beforehand by learning the existing dataset.
  - Technology/Tools Used: Python, ReactJS
- **Opinion Maximization in Signed Social Networks** *(Oct 2021 - July 2022)*
  - Formulated an approach to simulate marketing strategies and their impact using Graph Theory.
  - Proposed three algorithms that spread a desired opinion across a network.
  - Technology/Tools Used: Python, NetworkX, Google Collab
- **Pen Ink Differentiation for Handwritten Document Forensics** *(Jan 2021 – May 2021)*
  - Designed a model to detect different pen inks in handwritten documents especially focusing on bank cheques, using Convolutional Neural Networks (CNN) and exploring different state-of-art models to detect fraudulence.
  - Technology/Tools Used: OpenCV, TensorFlow, Google Collab
- **Vehicle Collision Detection and Alcohol Detection System** *(Jun 2019 – Jul 2019)*
  - Constructed a prototype to predict vehicle collisions and alcohol consumption by exploring different solutions using the Internet of Things
  - Technology/ Tools used: Arduino, IoT sensors.

PUBLICATION

- Alla, Leela Srija, and Anjeneya Swami Kare. "Opinion Maximization in Signed Social Networks Using Centrality Measures and Clustering Techniques." Distributed Computing and Intelligent Technology: 19th International Conference, ICDCIT 2023, Bhubaneswar, India, January 18–22, 2023, Proceedings. Cham: Springer Nature Switzerland, 2023.

TECHNICAL SKILLS

Programming Languages: *Java*, *PHP*, *Python*, *C*, *Ruby on Rails* **Web development:** *HTML*, *CSS*, *Javascript* **Frameworks/ Software Tools:** *ReactJS*, *Kubernetes*, *Docker* **Data Analytics skills:** *SQL*, *Excel*, *Elasticsearch* **Networking Tools:** *WireShark*, *Colasoft Capsa* **Operating systems:** *Linux*, *Windows* **Additional skills:** *Git*, *Latex*

POSITIONS OF RESPONSIBILITY

- Part of **Blackstone LaunchPad** a Start up and Innovation Collaboratory at **University at Buffalo**.
- **Led a team** of 6 members as a part of **Smart India Hackathon 2022**. Engineered a computer vision-based application to manage and monitor vehicle traffic using the Internet of Things.
- Participated in **Chatra Vishwa Karma** by **AICTE** in 2019.
- Member of a coding club at UOH, organized and participated in events conducted by it.
- Volunteered in Green revolution by ICCE.