SRISHTI JAISWAL

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EDUCATION

THE UNIVERSITY OF FLORIDA | *MS in Computer Science* **Aug 2022 – May 2024**
SRM UNIVERSITY (SRM IST) | *B.Tech. in Information Technology (8.05 GPA)* **Aug 2016 - Jun 2020**

WORK EXPERIENCE

Advisory Analyst | **DELOITTE**, Gurugram, India **Jul 2021 – Aug 2022**

- Skilled in designing IT and Third-Party risk assessment programs, conducting SOC1 & SOC2 readiness assessments, preparing SOC1 & SOC reports, ensuring SOX readiness, leading audits, and driving control transformation for operational efficiency.
- Conducted data analysis on infrastructure and IT controls for over 7 clients, identifying potential risks and completing all projects on time and 14% under budget.
- Executed SOC assessments for a leading cloud service provider, driving remarkable improvements in security measures and SOC report ratings through meticulous analysis and effective recommendations.
- Led weekly meetings and mentored 4 team members which resulted in a reduction of ramp-up time by 38%, and improved performance and outcomes.

Programmer Analyst Trainee | **COGNIZANT**, Chennai, India **Sep 2020 – May 2021**

- Spearheaded two cross-functional projects in life sciences, achieving a remarkable 25% increase in departmental productivity through effective project management and collaboration with peers.
- Proficiently integrated and modelled Oracle and SQL databases using Oracle SQL Developer Tool and SQL Server Management Studio, optimizing performance and supporting project requirements.
- Utilized Informatica to develop diverse data transformations, supporting data warehouse design, and facilitating seamless extraction, transformation, and loading of data into the target system resulting in streamlined operations and successful project outcomes for 5+ clients.

Programmer Analyst Intern | **COGNIZANT**, Pune, India **Jan 2020 – May 2020**

- Under the guidance of experienced mentors, received extensive training in SQL, Python, PySpark, and AWS, gaining valuable insights into industry best practices. Applied this knowledge to achieve successful outcomes for clients.
- Assisted in optimizing SQL queries and Python scripts, contributing to the successful implementation of data solutions and providing valuable support in meeting project milestones.

Frontend Developer Intern | **GALIFIC ARTS**, Noida, India **Jun 2019 – Jul 2019**

- Collaborated with creative teams to design visually appealing and responsive websites using HTML, CSS, Bootstrap and JavaScript for 2 clients, improving site efficiency by 35%. Demonstrated strong technical skills and a collaborative approach to drive high-quality outcomes and client satisfaction.

PROJECTS

Comparative Analysis of different GANs and VAEs (Link) **(Lang/Technology:** Python, TensorFlow, PyTorch**)**

- Conducted a comprehensive comparative analysis of various GANs and VAEs on the MNIST handwritten digit dataset, evaluating their performance in generating realistic digit images.
- Implemented and fine-tuned multiple GAN and VAE architectures, examining the impact of architectural choices and hyperparameter settings on the quality and diversity of the generated images.

Multivariate data visualization using glyphs on a choropleth (Link) **(Lang/Technology:** Python, NumPy & Pandas, Tableau**)**

- Created a powerful visualization tool to analyze car accident data from the United States using up to 5 visual encodings on a glyph, resulting in a 35% reduction in analysis time.

Gossip Simulator in a Distributed System (Link) **(Lang/Technology:** Erlang, Actor model**)**

- Boosted the performance of push-sum and gossip-based algorithms in a group communication system with 10,000 nodes by 25% through the development of a convergence time assessment tool.

Skin Cancer Detection **(Lang/Technology:** UX Design, MATLAB, Image Processing, SVM**)**

- Engineered a machine learning application that achieved an 89% accuracy rate and reduced false positives by 50% for melanoma risk evaluation using consumer-grade camera images, potentially leading to earlier and more accurate skin cancer diagnoses.

Third Eye for blinds **(Lang/Technology:** IOT, Arduino, C++**)**

- Designed an innovative and practical wearable technology for the blind using Arduino, which utilized ultrasonic sensors to detect obstacles and reduce collision incidents by 75%. Incorporated a buzzer and vibration to alert the person, providing greater independence and safety for visually impaired individuals.

SKILLS

- Programming Languages: ***Python, C/C++, JavaScript, HTML, CSS, SQL***
- Frameworks and Libraries: **NumPy, Pandas, TensorFlow, Matplotlib, React, Node.js, Bootstrap, Tailwind**
- Databases: **MySQL, PostgreSQL, Oracle**
- Tools and Technologies: ***Visual Studio, Google Collab, GitHub, Tableau, Microsoft Office***, ***AWS, IntelliJ Idea, MATLAB, Jupyter Notebooks, Infrastructure (OS / DB), and Application general IT controls***