Sravani Pati

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EDUCATION

Clemson University

M.S. Computer Science | Concentration: *Data Science*   *May 2024*
Cumulative GPA: 3.77

B.S. Computer Science | Majors: Computer Science   *August 2021*
Cumulative GPA*:* 3.66

WORK EXPERIENCE

Data Visualization Specialist and Grants Analyst | *Clemson Engineers for Developing Communities*   *Aug 2023 – Present*
- ➢ Empowering communities in South Carolina to access resources, cultivate active hazard mitigation plans, and fortify resilience.
- ➢ Collaborating with the US Army Corps of Engineers to establish a virtual engagement hub for underserved communities, ensuring integrated socio-economic initiatives.
- ➢ Playing a pivotal role in enhancing community resilience, leading efforts in data visualization, grant analysis, and automation.

Research and Development Intern | *Aptech*   *July 2019 – October 2019*
- ➢ Crafted a precise dataset for accurate graduate admissions predictions, laying a foundation for data-driven decision-making.
- ➢ Deployed SVM, Random Forest, and Logistic Regression models to optimize marketing, yielding an 80% increase in customer acquisition.
- ➢ Designed user-friendly interface design, streamlining data analysis, empowering college choices with optimized efficiency.

PROJECTS AND RESEARCH

Advanced Data Analytics and Research Portfolio

TikTok Classification, Graduate Admission Prediction, Migraine Classification   *Jan 2023 – Present*
- ➢ Strategically implemented the PACE (Project, Analyze, Communicate, Execute) approach through six systematic steps.
- ➢ Manifested proficiency in diverse facets of advanced data analytics for TikTok's claims classification project.
- ➢ Leveraging Various models, achieved 93% accuracy in classifying migraine types and predicted gene expression quality scores, contributing to improved migraine diagnosis and treatment.
- ➢ Continuing from earlier efforts, the current phase seeks to designate a champion model achieving 95% accuracy with adaptable threshold adjustments for graduate program admission predictions.

Data Visualization and Database Management system

Data Breaches, Pizza-store   *August 2022 – Dec 2023*
- ➢ Showcased cutting-edge interactive visualization techniques with bubble, donut, and bar charts.
- ➢ Quantified substantial data loss caused by hacking, impact on business, and identified industry-leading companies.
- ➢ Created a MYSQL database for Pizza-R-Us, employing Enhanced ER models for inventory and order Management.
- ➢ Built a Java-based CRUD application for efficient database operations and data accuracy.

Voluntary Experience

Volunteer work during covid | Celon labs   July 2020 - Jan 2021
- ➢ Led a team of 100 Individuals in the packing section, directing and coordinating efforts with supervisor to ensure the production and distribution of essential medicines for needy people.

TECHNICAL SKILLS

- ➢ **Languages & Libraries:** C, C++, HTML/CSS, JavaScript, Java, Python, React.js, SQL, Machine learning Models
- ➢ **Technologies & Tools:** ARCGIS, Excel, Git, Project, Teams, MySQL workbench, Visual Studios, VS Code, Jupyter Notebook, Tableau, AWS, Salesforce.

CERTIFICATIONS

- ➢ **Harvard University |** *CS50's Introduction to Computer Science*   *In Progress*
- ➢ **Google |** Advanced Data Analytics   Jan 2024
- ➢ **Google |** Foundations of Data science**,** Python, Statistics,   *Jan 2024*
- ➢ **Google** | Translating data into Insights**,** Regression Analysis and Machine Learning   Jan 2024
- ➢ **Collaborative Institutional Training Initiative |** *Certified Research Ethicist*   *Sep 2023*
- ➢ **Clemson Center for Geospatial Technologies |** *Geographical Information Systems Training*   *July 2023*