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

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.
- Playing a pivotal role in enhancing community resilience, leading efforts in data visualization, grant analysis, and automation.

Data Visualization Specialist | *Clemson Engineers for Developing* — *Aug 2023 - Present*
- Led data refinement and analysis in Excel and Python, elevating team capabilities in Python and Tableau through targeted training and enhancing analytical and visualization skills for socio-economic projects.
- Utilizing Tableau for strategic data visualization, transforming complex analysis into actionable insights, guiding decision-making for community resilience enhancement in Anderson County.
- Directing project strategies by integrating data-driven findings, leveraging technical expertise in systems, security, and Agile methodologies to foster tangible community improvements.

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 – Jan 2024*
- 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.
- Leveraged 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.

VOLUNTARY EXPERIENCE

Volunteer work during covid | Celon labs — July 2020 - Jan 2021
- Supervised a team of 100 Individuals in the packing section, directing and coordinating efforts with Manager 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, Power BI, Data Modelling, Statistical Analysis, DAX.
- **Data Analysis and Management:** Data Wrangling, Data Quality Assurance, ETL Process, Data Mapping, Data Conversion, Pattern Recognition.

CERTIFICATIONS

- **Microsoft |** *Power BI Data Analyst* — *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*