

Sritan Vemuru

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EDUCATION

University of North Carolina at Chapel Hill

Aug. 2022 – May 2026

Bachelor's of Science in Computer Science and Data Science, Minor in Economics

- **GPA:** 3.94; **Chancellor's Carolina Scholar:** 4-year merit scholarship awarding \$10,000 per year
- **Activities:** Computer Science + Social Good, Carolina Analytics and Data Science, UNC Sangam

EXPERIENCE

Undergraduate Learning Assistant

Jan. 2024 – Present

University of North Carolina at Chapel Hill

Chapel Hill, NC

- Help students in COMP 110 fix and debug their coding assignments by hosting weekly office hours
- Collaborated with the professor in lectures, actively engaging with over 300 students by responding to inquiries and offering clear explanations of essential course concepts
- Conduct review sessions and assist in grading by providing constructive feedback to enhance student learning

Information Technology Intern

June 2024 – Aug. 2024

Arch Insurance Group

Raleigh, NC

- Developed a data pipeline to transform 20+ complex nested JSON files into CSV format for seamless Snowflake ingestion leveraging Azure Data Factory, Function Apps, and Logic Apps to automate the data conversion process
- Created a Streamlit-based pipeline to efficiently transfer data from Azure Blob Storage to Snowflake, integrating various validation checks
- Utilized SQL to create and modify tables within Snowflake and to access and apply rules tables for data validation
- Streamlined data processing for over 100 accrual files per fiscal quarter, eliminating the need for Alteryx software
- Achieved 2nd place in the Innovation Lab competition among interns by designing a theoretical AI solution that enhances efficiency in the claims investigation process for SIU analysts

Market Research Analyst

Mar. 2024 – May 2024

National Research Group

Remote

- Strategically identified and shortlisted the top 8 policy influencers driving significant advancements in community impact across Europe based on their contributions and influence
- Executed in-depth secondary research to compile essential data on the identified 8 policy influencers, including contact information, key contributions, and their overall impact on the community

Database Management Intern

Sept. 2023 – Dec. 2023

Easy Event Planning

Remote

- Collected thousands of products from Amazon and Etsy and integrated them into the current master spreadsheet of event vendors and products
- Crafted engaging event descriptions and conducted thorough keyword research to optimize SEO visibility, ensuring that each event description is strategically positioned for enhanced online discoverability
- Identify and eliminate duplicates by merging data from multiple spreadsheets each with over 10,000 products

PROJECTS

Loan Default Predictor | *Python, Flask, Scikit-Learn, Pandas, NumPy, Seaborn, Matplotlib*

May 2024

- Developed a machine learning model for loan default prediction using the Random Forest algorithm
- Hypertuned model parameters to optimize performance and achieved an accuracy score of 88.7% on the final model
- Performed comprehensive data cleaning and exploratory data analysis to prepare the dataset for analysis

Where2Watch | *React.js, APIs, Javascript, HTML, CSS*

Dec. 2023

- Created a user-friendly React application facilitating seamless exploration of OTT details for movies and shows
- Integrated the Streaming Availability API to dynamically fetch information regarding the streaming platform, media quality, and payment requirements for each movie or show
- Designed a website and deployed it using Vercel, ensuring optimal accessibility and responsiveness for users

TECHNICAL SKILLS

Programming: Java, Python, C, SQL, JavaScript, HTML, CSS, R

Tools/Certifications: Azure, AWS, VS Code, IntelliJ, Jupyter Notebooks, Git, Power BI, Tableau