

GREESHMA GANJI

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EDUCATION

Rochester Institute of Technology Master of Science Information Technology and Analytics	Aug. 2021 – May 2024
Anurag Group of Institutions Bachelors Electronics and Communication Engineering	Aug. 2016 – July 2020

SKILLS

PROGRAMMING LANGUAGES	Python, R, SQL, C++, HTML, CSS, JavaScript, PHP, XML, JSON, C
DATABASES	MySQL, NoSQL, Database Design, Query Optimization, Database Administration, Data Modeling, MongoDB, Workbench, AWS
DATA ANALYTICS & MACHINE LEARNING	Data Analysis, Data Visualization, Statistical Analysis, Machine Learning, Data Cleaning, Predictive Monitoring, ETL Processes, Pandas, TensorFlow, PyTorch, RStudio
TOOLS AND PLATFORMS	Tableau, PowerBI, Google Analytics, Express.js
FRAMEWORKS & LIBRARIES	Django, Express.js, Flask, Flask, Django, Eclipse, IntelliJ IDEA
TOOLS & PLATFORMS	Tableau, PowerBI, Google Analytics, Jupyter Notebooks, GIT, JIRA, Jenkins, MS Office, MATLAB, Docker, Selenium, Eclipse

EMPLOYMENT

Rochester Institute of Technology <i>Web Development Teaching Assistant, Rochester, NY</i>	Oct. 2021 – Dec. 2023
<ul style="list-style-type: none">Led web development labs for 210+ students, integrating analytics to monitor and enhance student performance.Developed data-driven teaching materials and assessment tools to measure student progress.Analyzed student performance data to identify areas for improvement and tailored instructional strategies accordingly.Tutored on advanced topics, including semantic web, responsive web designs, HTML, CSS, JavaScript, Page Layouts, and web accessibility.	
Transonic Systems, Inc. <i>Software Engineer Intern, Ithaca, NY</i>	Jan. 2023 – May 2023
<ul style="list-style-type: none">Enhanced TRUEQ device codebase by implementing advanced design patterns in C++, improving system performance through data analysis and optimization, resulting in a 40% increase in system performance and a 25% reduction in system errors.Conducted data-driven testing and debugging on FlowXL, enhancing device reliability by identifying and resolving bugs through analysis of test run data.Collaborated in agile team meetings, using data-driven approaches to optimize software version control and refine system state architecture.	
Tata Consultancy Services <i>Cloud Operations Analyst, Hyderabad, India</i>	Jan. 2021 – Oct. 2021
<ul style="list-style-type: none">Implemented EC2 services and Jira-Nexenta tools, using data analytics to reduce server downtime and ensure uninterrupted service availability.Automated cloud-based processes, leveraging analysis to enhance efficiency and scalability.Reduced storage costs for virtual machines by 40% through advanced compression algorithms and data-driven disk utility space optimization.	

PROJECTS

<u>NYC Flood Risk and Sea-Level Rise: A GIS Analysis</u>	Aug. 2023 – Dec. 2023
<ul style="list-style-type: none">Analyzed flood risk in NYC using GIS technologies and mapped 34.8% of the land at risk, leveraging historical flood data to predict future risk areas.Developed data visualizations to communicate the impact of sea-level rise on urban areas.	
<u>Visual Analysis of House prices in Rochester, NY</u>	Nov. 2022 – Dec. 2022
<ul style="list-style-type: none">Constructed an interactive visualization of house sales trends and property values in Rochester, NY, utilizing Tableau and Python to provide data insights and enhance user engagement.Analyzed historical sales data to identify patterns and trends in the real estate market.	
<u>Congressional Vote Clustering</u>	Oct. 2021 – Dec. 2021
<ul style="list-style-type: none">Analyzed congressional voting behavior across party lines using unsupervised learning techniques and neural networks.Developed data-driven insights into voting patterns, highlighting the influence of party affiliation on voting decisions.	

CLUBS

Women in Computing Member	Jan. 2022 – May 2024
Actively engaged in club activities, including organizing WiC Hacks, tutoring sessions, and coding initiatives.	
OASIS South Asian Club Member	Aug. 2021 – May 2024
Actively engaged in weekly meetings, and organized cultural festivals, cricket games, and Diwali lantern-making events, fostering a sense of community and cultural immersion.	