GREESHMA GANJI

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EDUCATION

Rochester Institute of Technology   Aug. 2021 – May 2024
Master of Science Information Technology and Analytics

Anurag Group of Institutions   Aug. 2016 – July 2020
Bachelors Electronics and Communication Engineering

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   Oct. 2021 – Dec. 2023
Web Development Teaching Assistant, Rochester, NY
- 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.   Jan. 2023 – May 2023
Software Engineer Intern, Ithaca, NY
- 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   Jan. 2021 – Oct. 2021
Cloud Operations Analyst, Hyderabad, India
- 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

NYC Flood Risk and Sea-Level Rise: A GIS Analysis   Aug. 2023 – Dec. 2023
- 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.

Visual Analysis of House prices in Rochester, NY   Nov. 2022 – Dec. 2022
- 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.

Congressional Vote Clustering   Oct. 2021 – Dec. 2021
- 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.