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	Java, Python, R, SQL, C++, HTML, CSS, JavaScript, PHP, XML, JSON, C
DATABASES	Oracle, MySQL, SQL Server, NoSQL, Relational DB, Database Design, Query Optimization, Database Administration, Data Modeling, MongoDB, Workbench, AWS
ANALYTICS	Data Analysis, Data Visualization, Statistical Analysis, Machine Learning, Data Cleaning, Predictive Monitoring, ETL Processes, Pandas, TensorFlow, PyTorch, RStudio
FRAMEWORKS	Django, Express.js, Flask, Rest API, Flask, Django, Linux Command Line, Eclipse, IntelliJ IDEA
TOOLS	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.