GREESHMA GANJI

ganjigreeshma@gmail.com (585) 210-5642 380 John St, Rochester, NY, 14623 /in/ganjigreeshma/

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

LANGUAGES: Python, R, C++, SQL, HTML, CSS, JavaScript, PHP, XML, JSON, C
DATABASE: MySQL, NoSQL, Database Design, Query Optimization, Database Administration, Data Modeling, MongoDB, Workbench, AWS
FRAMEWORKS: PyTorch, RStudio, Pandas, TensorFlow, Django, Express.js, Flask
TOOLS: Tableau, PowerBI, Google Analytics, Jupyter Notebooks, Git, JIRA, Jenkins, Microsoft Excel, MATLAB, Docker, Selenium, Eclipse, IntelliJ IDEA

EMPLOYMENT

Rochester Institute of Technology, *Web Development Teaching Assistant* Oct. 2021 - Dec. 2023
Rochester, NY
- Led web development labs for 210+ students and implemented innovative teaching strategies.
- Tutored on advanced topics, including semantic web, responsive web designs, HTML, CSS, JavaScript, Page Layouts, and web accessibility.

Transonic Systems, Inc., *Software Engineer Intern* Jan. 2023 - May 2023
Ithaca, NY
- Enhanced TRUEQ device codebase by implementing advanced design patterns in C++, optimizing system state architecture, and boosting code efficiency, resulting in a 40% increase in system performance and a 25% reduction in system errors.
- Orchestrated detailed testing on FlowXL, enhancing device reliability through bug fixes and rigorous testing of the application, identifying and resolving bugs across 6 embedded test runs of three devices.
- Collaborated in agile team meetings, optimizing software version control and refined system state architecture to boost efficiency and productivity.

Tata Consultancy Services, , *Cloud Operations Engineer* Jan. 2021 - Oct. 2021
Hyderabad, India
- Conceptualized E2C services and Jira-Nexenta tools to swiftly address critical issues in server downtime, ensuring uninterrupted service availability for GIC Client Cloud servers.
- Accelerated automation of Machine First Delivery Model processes by implementing cloud-based solutions, enhancing efficiency and scalability.
- Reduced storage costs for virtual machines by 40% through the implementation of advanced compression algorithms and disk utility space optimization
- Ensured continuous operation of 40 servers by orchestrating the configuration and maintenance of front-end and back-end services, including server replication into active and passive states.

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.

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, drawing parallels to past floods like Hurricane Ida and Sandy to underscore critical issues worldwide.

Sales Prediction Analysis with Ensemble Methods June 2023 - July 2023
- Revamped sales prediction models for Carseats data by leveraging regression trees, bagging, and random forests in R for efficient model implementation and evaluation, leading to a 10% improvement in sales forecast accuracy.

Visual Analysis of House prices in Rochester, NY Nov. 2022 - Dec. 2022
- Constructed an interactive visualization of the house sales trend and increasing property values in Rochester, NY over a specified period, utilizing Tableau and Python to enhance user engagement and data insights.

E-Commerce Website Jan. 2022 - May 2022
- Developed a full-stack pet food e-commerce website using Django framework for the backend and React.js for the front end with features such as user authentication, product catalog, and shopping cart, resulting in a 95% completion rate among users during usability testing.

Congressional Vote Clustering Oct. 2021 - Dec. 2021
- Analyzed congressional voting behavior across party lines with unsupervised learning techniques and Neural networks.
- Findings suggest that most Democrats and Republicans are inclined to support bills proposed by respective parties more than voting on the bill's potential benefits.