

GREESHMA GANJI

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EDUCATION

Rochester Institute of Technology

August 2021 - May 2024

Master of Science Information Technology and Analytics

>> Key Accomplishments: Received a 30% scholarship for academic excellence.

Anurag Group of Institutions

August 2016 - July 2020

Bachelors Electronics and Communication Engineering

>> Key Accomplishments: Awarded merit-based scholarship covering 35% of tuition fees for high academic performance.

SKILLS

Programming Languages	Python, R, C++, SQL, HTML, CSS, JavaScript, PHP, XML, JSON, C, Java, Data Structures
Database Management	MySQL, NoSQL, Database Design, Query Optimization, Database Administration, Data Modeling, MongoDB, Workbench, Amazon AWS, MS Access
Frameworks & Libraries	PyTorch, RStudio, Pandas, TensorFlow, Express.js, Flask
Tools & Platforms	JIRA, Jenkins, GIT, Docker, Selenium, Eclipse, IntelliJ IDEA

EMPLOYMENT

Rochester Institute of Technology

October 2021 - December 2023

Web Development Assistant, Rochester, NY

- Led web development labs for 210+ students, developing data-driven teaching materials and assessment tools to enhance performance.
- Mentored advanced web development topics over 5 semesters, analyzing student performance data to tailor instructional strategies in areas like HTML, CSS, Page layouts, and Responsive design.

Transonic Systems, Inc.

January 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, software development, algorithm design, and application optimization, resulting in a 40% increase in system performance and a 25% reduction in system errors.
- Implemented a robust debugging framework on FlowXL, focusing on iterative testing and analysis; resulting in a 50% reduction in the average time to resolve critical issues.
- Led agile team sessions to analyze data-driven insights, refining software version control protocols; documented new workflows that reduced merge conflicts by 40%, enhancing overall development efficiency.

Tata Consultancy Services

January 2021 - October 2021

Cloud Operations Analyst, Hyderabad, India

- Optimized EC2 instances with automated scripts, reducing downtime by 30%.
- Implemented data-driven storage optimization, cutting costs by 40% through compression algorithms and database tuning.
- Collaborated with software engineering techniques to integrate cloud-based solutions, improving customer distributed system scalability and reliability

PROJECTS

NYC Flood Risk and Sea-Level Rise: A GIS Analysis

- Analyzed NYC flood risk and mapped 34.8% of land at risk, using GIS technologies and data visualizations to predict sea-level rise impacts.
- Technologies Used: ArcGIS, Python, Data Visualization

Impacts of COVID-19

- Designed and developed a comprehensive desktop and mobile website, accessible to hundreds of RIT students, exploring the impacts of COVID-19 on work collaboration, education, and remote work.
- Technologies Used: HTML, CSS, JavaScript, PHP, Figma

E-Commerce Website

- Led a team of 3 to develop a full-stack pet food e-commerce site using Django and React.js, integrating user authentication, product catalog, and shopping cart.
- Achieved 95% task completion during user testing, demonstrating project success.
- Technologies Used: HTML, CSS, JavaScript, Django, React.js