

Medha Gitay

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EDUCATION

- **University of North Carolina at Charlotte** Charlotte, NC
Master of Science in Computer Science **GPA: 4.0/4.0** *Jan 2022 - Present*
- **Jawaharlal Nehru Technological University** Hyderabad, India
Bachelor of Technology in Information Technology **GPA: 3.8/4.0** *July 2017 - July 2021*

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, C, C++, JavaScript, HTML, CSS
- **Backend Frameworks:** Express.js, Spring, Azure Event Hub
- **Data Visualization:** Power BI, Tableau
- **Databases:** PostgreSQL, MySQL, MongoDB, Snowflake
- **Other Tools:** Flask, JIRA, Kubernetes, Jenkins, Docker, LINUX, Postman, Git, MS Office

WORK EXPERIENCE

- **Graduate Teaching Assistant** Aug 2022 - Present
University Of North Carolina at Charlotte *Charlotte, U.S.*
 - Worked as Graduate Teaching Assistant for the course Algorithm and Data Structures.
 - Demonstrated strong teaching abilities by leading discussion sections and labs for up to 75 students, resulting in a 10% increase in average exam scores.
 - Designed and implemented assessments such as quizzes and coding assignments to evaluate student understanding and provide individualized feedback.
 - Utilized data analysis and machine learning techniques to provide students with insights into the practical applications of algorithms and data structures.
- **Software Engineer Intern** July 2020 - July 2021
Seneca Global *Hyderabad, India*
 - Employed J2EE technologies for high-performance web apps, reducing response time by 20% and harnessed Spring, including Spring Boot, for robust Java microservices.
 - Applied Object Oriented Programming Design Principles and Patterns in practical projects, ensuring the development of maintainable and scalable software solutions.
 - Collaborated with cross-functional teams to integrate Azure Event Hub into existing projects, enabling seamless data communication and synchronization.
 - Automated repetitive tasks with Jenkins and Docker, reducing errors by 40% and deployment time by 50%. Managed containerized applications and orchestrated with Kubernetes for scalability and fault tolerance.
 - Gained experience in test automation using tools like JUnit and TestNG, enhancing the efficiency of regression testing.
 - Actively participated in Agile development methodologies, including daily stand-ups and sprint planning.
 - **Technologies used:** Java, Spring Boot, Kubernetes, Docker, Agile, Scrum, JIRA, Jenkins

ACADEMIC PROJECTS

- **Find My Guru :**
Technologies used: HTML, CSS, JavaScript, React.js, Bootstrap, Express.js, Node.js, MongoDB
 - Developed Find My Guru, a mentoring platform connecting users with suitable mentors worldwide.
 - Enabled users to explore mentors using various filters, while facilitating appointment booking with their selected mentors.
 - Conducted comprehensive testing, debugging, and code reviews to ensure a high-quality and scalable codebase.
 - Implemented chatGPT API, progress tracking, and rating systems for users and mentors to monitor their development and review feedback.
 - Leveraged MongoDB for efficient data storage and retrieval, improving system performance by 35%.
- **Trade Arts :**
Technologies used: Node.js, MongoDB, Express.js
 - Developed an interactive web application with NodeJs enabling artists to create, purchase and sell works of art.
 - Conformed MVC architecture in JavaScript for user authentication, validation, session management.
 - Implemented the add to cart and exchanging own art with other artists functionalities utilizing Mongo Database.
 - Created Rest APIs for data sharing between application components and for maintaining basic routing with ExpressJs.

CERTIFICATES AND CURRICULUM

- Certified in Data Analytics by Google on Coursera.