

Medha Gitay

LinkedIn: [linkedin.com/in/medhagitay](https://www.linkedin.com/in/medhagitay)

Github: github.com/medhagitay

Email: medhagitay@gmail.com

Mobile: +1 (206) 678-4707

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*

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 Engineering Intern** Feb 2021 - July 2021
Seneca Global *Hyderabad, India*
 - Led the development of Good Reads, a full-stack web application enabling users to review, bookmark, and discover books using customizable filters based on genre and other criteria.
 - Utilized React and Flask frameworks to create a responsive and intuitive front-end design, resulting in a 25% increase in user engagement and a 15% decrease in bounce rate.
 - Conducted thorough front-end testing with Enzyme, ensuring application reliability, stability, and consistent compatibility across a variety of devices and platforms.
 - Boosted database performance with performance-tuning scripts, achieving a 30% reduction in query response time and a 25% increase in concurrent user capacity.

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, C, C++, JavaScript, HTML, CSS
- **Web Technologies:** Angular, React.js, React Native, Node.js, PHP, Bootstrap, XML
- **Backend Frameworks:** Hibernate, Express.js
- **Databases:** PostgreSQL, MySQL, Oracle, MongoDB, Snowflake
- **Data Visualization:** Power BI, Tableau
- **Other Tools:** Flask, MATLAB, Airflow, Apache Kafka, Apache Spark, LINUX, Postman, Git, VS Code, MS Office

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.
- **Recession Analysis Using Python :**
Technologies used: Python, Pandas, Matplotlib, SciPy, NumPy
 - Conducted recession analysis using Python, implementing Pandas for data processing and cleaning, achieving a 95% improvement in data integrity.
 - Employed advanced data visualization techniques with Matplotlib and Seaborn, enhancing information communication by 80%.

CERTIFICATES AND CURRICULUM

- Certified in Front-End JavaScript Frameworks: Angular and Deep Learning on Coursera.
- Certified in Problem Solving (Intermediate) Certificate on HackerRank.