

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*

WORK EXPERIENCE

- **Graduate Research Assistant** Aug 2022 - Present
University Of North Carolina at Charlotte *Charlotte, U.S.*
 - Developed and implemented a Sentiment Analysis project to analyze social media data and gain insights into public opinion and sentiment towards a specific topic or brand.
 - Leveraged NLTK (Natural Language Toolkit) for tokenization, part-of-speech tagging, and sentiment analysis tasks.
 - Employed Scikit-learn to build and train classification models for sentiment analysis.
 - Utilized TextBlob, a Python library, for sentiment analysis with pre-trained models and API methods.
 - Employed Plotly to create visual representations of sentiment analysis results.
- **Data Analyst Intern** Dec 2020 - July 2021
Seneca Global *Hyderabad, India*
 - Gathered and cleaned raw data from various sources using SQL, Python, and Excel to ensure accuracy and consistency in the datasets.
 - Conducted exploratory data analysis (EDA) to identify patterns, trends, and outliers using Python's libraries including but not limited to Pandas, NumPy, and Matplotlib.
 - Assisted in creating interactive data visualizations using Tableau, providing actionable insights to stakeholders.
 - Performed data modeling and created dashboards to monitor key performance indicators (KPIs).
 - Developed and maintained automated data pipelines using tools like Apache Airflow, streamlining data processing workflows.

TECHNICAL SKILLS

- **Languages:** R, 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%.
- **OTT Insights :**
Technologies used: Power BI
 - Developed an OTT (Over-The-Top) Dashboard utilizing Power BI for enhanced data-driven insights and decision-making in the streaming industry.
 - Employed interactive visualizations, including charts, graphs, and drill-through reports, to provide stakeholders with real-time performance metrics, user engagement analytics, and revenue trends.
- **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.
- Obtained a Professional Certificate in Data Analytics on Coursera.