

EDUCATION

- **Rochester Institute of Technology** Rochester, NY
Master of Science in Data Science Aug. 2022 - Present
 - **Coursework** Applied statistics, Database Management Systems, Foundations of Data Science and Software Engineering for Data Science.
- **Anna University** Chennai, India
Bachelor of Technology in Information Technology Sep. 2009 - May. 2013

RESEARCH & PROJECTS

- **AWARE-AI NSF Research Traineeship - 2023**
 - Awarded traineeship in NSF funded research initiative at RIT, investigating cognitive modeling in human-centered machine collaborative settings. Performing studies with a participant group comprising more than 25 individuals.
- **FastSearch - Data Science Capstone**
Link: github.com/raghunandan-r/FastSearch_DSCL_Capstone
 - Built a search tool leveraging active learning and semantic text similarity to guide users efficiently to the most pertinent content in subsequent page search outcomes, resulting in an enhanced click-through rate of ~20%.
- **Real-time Sentiment Analysis - AWS Sagemaker**
Link: github.com/raghunandan-r/sagemaker-pyspark
 - Deployed a BlazingText sentiment analysis endpoint on AWS Sagemaker Studio and used PySpark to handle distributed processing on the 20M MovieLens dataset.

EXPERIENCE

- **Freshworks, Inc.** Chennai, India
Senior Business Analyst Jul 2021 - Jul 2022
 - **Operational Analytics:** Supported the Sales team in achieving a 20% quarterly growth in targets via business insights from data mining and conveyed analysis to business executives using data analytics tools.
 - **Annual Operating Plans:** Crafted the 2022 Annual Operating Plan for the APAC-MEA region with a \$50M book of business and Collaborated with top level Sales executives to establish targets, coverage, and capacity planning strategies
- **LYNK Logistics** Chennai, India
Senior Business Analyst Oct 2019 - May 2021
 - **Fraud Detection:** Created a machine learning prototype designed to identify occurrences of fraud related to driver incentives, which led to a reduction in operational losses of approximately 25%.
 - **Supply Chain Modeling:** Engineered a classifier with 96% accuracy that reduced delivery costs by 60% with end-to-end ownership of full project lifecycle including problem scoping, experimental design, data collection, model development, and communication of results.
- **BankBazaar.com** Chennai, India
Lead Analyst Apr 2016 - Sep 2019
 - **Technical Product Management:** Coordinated cross-functional teams including Product, Engineering, and Operations and implemented a reverse-MIS framework which cut down turn-around-time for personal finance products by 2x.
- **Computer Sciences Corporation** Chennai, India
Associate Professional Application Delivery Aug 2013 - Mar 2016
 - **Application Development:** Programmed the backend framework using .NET, REST APIs, JavaScript, and SQL for 2 major US public companies handling 1000s of users concurrently.

PROGRAMMING SKILLS

- **Languages:** Python, C++, SQL, SAS, JavaScript, Java
- **Libraries & Frameworks:** scikit-learn, numPy, pandas, fastai, pyTorch, PySpark
- **Databases, Data Processing & Tools:** SQL Server, MySQL, Snowflake, MongoDB, Airflow, PostMan, PowerBI, Tableau, Github, HuggingFace, AWS Sagemaker, UNIX, Bash / Shell scripting.