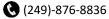
SHIVA TEJ SOMA









EDUCATION

University of Toronto, Master of Engineering | Toronto, ON | 2022 - 2024 | CGPA: 3.7/4.0

- **Dual Emphasis:** "Data Analytics and Machine Learning" and "Emphasis in Entrepreneurship, Leadership, Innovation and Technology in Engineering"
- Relevant Coursework: Data Science, Data Analytics and Machine Learning, Introduction to Deep Learning, Cloud-Based Data Analytics, Al in Finance, New Product Innovation, Project Management

Vellore Institute of Technology, Bachelor of Technology | Vellore, India | 2017 - 2021 | GPA: 8.7/10

WORK EXPERIENCE

Data Analyst (Contract)

Crane Partners Investment Firm | New York Metro Area (Remote) | Jun. 2024 - Present

- Contracted by Crane Partners, a Wall Street firm, for specialized real estate market analysis for 3 months.
- Web scraped real estate data, developed ML models using XGBoost and Random Forest, implemented data visualization dashboards in Tableau.
- Reduced data acquisition costs by \$10k-\$30k, working on providing accurate forecasting, and contributed to strategic decision-making with actionable market insights.

Key skills: Python Programming · Web Scraping (BeautifulSoup, selenium) · Machine Learning (XGBoost, Random Forest) · Data Analysis · Predictive Modeling · Data Visualization (Tableau, Matplotlib) · **Data Forecasting**.

Academic Research Analyst

California Polytechnic State University | San Luis Obispo (Remote) | Nov. 2023 – Apr. 2024

- Collaborated with Dr. Kirk Sturm on pioneering research in business crisis communication and and improve data management processes
- Analyzed academic datasets, automated data cleaning processes, and improved data collection methods.
- Saved 40% of time spent on data preparation and increased the number of completed forms by 2-fold.

Key Skills: Analytical Skills · Strategic Planning · **Python (pandas, NumPy, Scikit**) · Statistical Data Analysis · Crisis Communications · Business Intelligence

Volunteer Research Assistant

University of Toronto | Toronto, ON | Sep. 2022 – Jan. 2023

- Applied NLP to extract skills from job descriptions for curriculum development.
- Implemented clustering algorithms (Hierarchical and K-means) to categorize skills as courses.
- Optimized runtime performance from 2.5-3 hours to 15-17 minutes, improvement of over 85%.
- Work incorporated into a University of Toronto course assignment/project for MIE1628.

Key Skills: Data Management \cdot Python (Programming Language) \cdot Azure (Data Bricks, Data factory, Fabric) \cdot Natural Language Processing (NLP) \cdot Optimization \cdot Data Visualization

Programming Tutor

Varsity Tutors, a Nerdy Company | Online (Remote) | Jun. 2022 – Dec. 2023

- Provided one-on-one tutoring in python, java and Web technologies (HTML, CSS, JavaScript, React).
- Mentored special award-winning projects for LA County Science fair.

Key Skills: Educational Instruction · Curriculum Development · Python · Java · JavaScript · React · Optimization

Associate - Business Strategy & Analyst

ET MediaLabs | Noida, India | Jan. 2021 - Dec. 2021

- Planned and optimized online marketing strategies for platforms like Google and Facebook Ads.
- Analyzed website data using SQL to identify areas for improvement and developed insights using Tableau.
- Built and maintained dashboards for digital performance metrics, presenting weekly findings to management.

Key Skills: Data Analysis · SQL · Tableau · Dashboard Development · Cross-functional Collaboration · Looker

RELEVANT SKILLS

Programming Languages: Python, SQL, JavaScript, Java

Data Analysis and Visualization: Pandas, NumPy, Scikit-Learn | tableau, Matplotlib, seaborn

Machine Learning and Cloud: PyTorch, Natural Language Processing, Azure (Data Bricks, Data factory, Fabric)

Tools, Technologies and Platforms: Version Control (Git, GitHub), MS Excel, Langchain (GenAl, RAG)