

Garima Badhan

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EDUCATION

- Texas A&M University**, College Station, TX **December 2024** (Expected)
Master of Science in Data Science (Computer Science Track) GPA: 3.75
- *Relevant Coursework: Machine Learning, Information Storage & Retrieval, Applied Analytics*
- International Institute of Information Technology**, Hyderabad, India **April 2022**
Post Graduate Certificate in Software Engineering for Data Science GPA: 3.9
- Guru Gobind Singh Indraprastha University**, Delhi, India **June 2019**
Bachelor of Technology in Computer Science GPA: 3.58
- *Chairperson - IEEE Student Branch, IEEE Women in Engineering*
 - *Received 'IEEE CS Richard E. Merwin Scholarship' worth \$1000, a prestigious recognition awarded to only 18 students worldwide for exemplary impact and global achievement*

SKILLS

Python, SQL, Exploratory Data Analysis, Pandas, NumPy, Seaborn, Natural Language Processing, Random Forest Classifier, Support Vector Machine, K-Nearest Neighbor, Tableau, Snowflake

EXPERIENCE

- Analyst, Deloitte**, Gurgaon, India **April 2022 – July 2023**
Operational Efficiency for \$148B US Retail Chain
- Reduced operational costs by 40% by implementing AI-powered cashier-less checkout and inventory replenishment
 - Communicated key insights to stakeholders, showcasing the project's impact on efficiency and cost optimization
- Video Analytics
- Developed a strategic object recognition system using machine learning, engaging 6 prospective companies and driving substantial expansion
 - Showcased practical applications in optimizing product placement, enhancing security measures, and improving overall customer experience to the leadership team
- Data Migration for a Fortune 500 insurance company
- Orchestrated cloud migration of 200M+ monthly transactions, optimizing data consistency and accuracy through automated ETL pipeline in Snowflake, cutting turnaround time by 80%
 - Managed communication on data requirements with clients, iteratively improving the data pipeline
- System Engineer, Tata Consultancy Services Ltd (TCS)**, Mumbai, India **July 2019 – March 2022**
Streamlined Modernization of Workflows for \$5B Manufacturer
- Created ABAP-based invoice and inventory systems, preprocessing and transforming sales data for Power BI, ensuring high-quality datasets for in-depth analysis

PROJECTS

- **Sign Language Recognition** (Python): Created a hybrid Recurrent Neural Networks (RNN) and Convolutional Neural Networks (CNN) model, achieving over 93% accuracy in facilitating seamless communication for differently-abled individuals.
- **Automated Web Credibility and Genre Prediction** (Python): Developed a automated tool that analyzes page content to assess credibility by genre, using Random Forest for classification and regression to score trustworthiness with 75% accuracy
- **Amazon Product Review Sentiment Analysis** (Python): Extracted actionable insights on consumer preferences from Amazon review data by developing a highly accurate SVM-based sentiment analysis model with 90% accurate consumer behavior insights
- **Diabetes Risk Prediction and Early Detection** (Python): Performed exploratory analysis and engineered features from patient data to construct a KNN model, achieving 81% accuracy in classifying diabetes onset for proactive care