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, Tableau, Snowflake, Exploratory Data Analysis, Scikit Learn, Pandas, NumPy, Seaborn, Natural Language Processing, Random Forest Classifier, Support Vector Machine, K-Nearest Neighbor, Recurrent Neural Networks (RNN) and Convolutional Neural Networks (CNN) models

EXPERIENCE

Analyst, Deloitte, Gurgaon, India — **April 2022 – July 2023**

- Reduced operational costs by 40% implementing AI-powered cashier-less checkout and inventory replenishment using machine learning in Python for a US-based retail client
- Ensured data consistency, improving accuracy through automated ETL pipeline using Snowflake for a Fortune 500 insurance company
- Orchestrated migration of 200M+ monthly transactions to cloud and built SnowSQL procedures streamlining cloud data migration, cutting turnaround time by 80% for $10B insurance provider
- Implemented a high-performance video analytics application with advanced object recognition, key to global strategy, engaging 16 clients and driving substantial expansion.

System Engineer, Tata Consultancy Services Ltd (TCS), Mumbai, India — **July 2019 – March 2022**

- Developed invoice and inventory systems using ABAP objects for $5B manufacturer, optimizing operational workflows through streamlined modernization
- Preprocessed and transformed sales and inventory data as input for Power BI, ensuring the generation of 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