Pinal Gajjar, MS in AI

Jersey City, NJ 07306 · 201-753-6804 · pinalgajjar18@gmail.com · LinkedIn · Github

SUMMARY

Results-oriented Data Science enthusiast with a solid foundation in machine learning, proficient in R, Python and SQL databases. Experienced in data manipulation, cloud-based environments (Google Cloud, AWS), exploratory data analysis, statistical analysis, and applying predictive modeling techniques. Adept at creating data visualizations and effectively communicating findings.

EDUCATION

Yeshiva University, Katz School of Science of Health — **New York, NY**
Masters of Science in Artificial Intelligence - GPA: 3.7 — Expected Dec 2024

International Institute of Information Technology — **Bangalore, Karnataka, India**
Advanced Certification in Data Science - GPA: 3.25 — Sep 2022

Gujarat University — **Ahmedabad, Gujarat, India**
Bachelor of Science in IT - Software Development - GPA: 3.5 — Jun 2021

PROFESSIONAL EXPERIENCE

Marketing and Data Analyst | Blissful7 Marketing Consultancy — **Nov 2021 - Aug 2023**

- Achieved a remarkable **59% increase in page visits** through the application of advanced data science techniques, meticulously identifying target audience behaviors, patterns and preferences with an innovative approach for optimizing website engagement
- Elevated **conversion rates by 23%** by implementing data analysis techniques to assess and optimize customer interactions and engagement and performed exploratory data analysis by merging marketing and data analysis insights
- Developed and presented comprehensive reports showcasing strong communication skills, merging marketing and data analysis insights for strategic decision-making and worked with data structures for storing data
- Fine-tuned algorithms resulted in a **27% increase in reach** of marketing campaigns. Conducted thorough testing and evaluation of machine learning models, ensuring high accuracy and performance tuning.

Web Developer and Analyst | Modiant World — **Aug 2020 - Sep 2021**

- Boosted **leads 43% by** integrating advanced contact forms using Google tools for comprehensive data collection and applied data science methodologies by identifying lead scores showcasing problem-solving skills
- Conducted data analysis on collected visitor data to derive meaningful insights and enhance the user experience and page visits
- **Escalated sales by 18%** through financial forecasting utilizing Zoho CRM for systematic data collection and applied data analysis techniques to identify and prioritize hot leads, and optimizing the sales pipeline and targeting the right potential customers
- Improved success rate of **cold call by 9%** using insights generated by collaborated and collected extensive data from the Business Development Executive department, focusing on cold calls, and performed data cleaning and data preprocessing methodologies to extract valuable insights

PROJECT EXPERIENCE

Generating Music From Text

- Using MusicLM, a model generating high-fidelity music from text descriptions that translates textual descriptions into musical compositions using Natural Language Processing (NLP) and Generative Adversarial Networks (GANs) powered by state-of-the-art Transformer-based models
- Implemented a deep learning model leveraging TensorFlow and PyTorch for training on a large dataset of Musiccaps
- Conducted thorough evaluation and fine-tuning of the model to achieve harmonious and contextually relevant music generation.

Hateful Meme Detection

- Led a team in designing and implementing a state-of-the-art deep learning model for detecting hateful content in memes
- Engineered data preprocessing pipelines to handle diverse multimedia inputs, combining computer vision and natural language processing
- Utilized convolutional neural networks (CNNs) and recurrent neural networks (RNNs) for multi-modal analysis and achieving high accuracy in

Fashion Recommendation System

- Developed an end-to-end fashion recommendation system utilizing collaborative filtering and deep learning techniques.
- Incorporated computer vision models to extract features from product images for enhanced recommendation accuracy.
- Integrated the system with an e-commerce platform, resulting in a significant increase in user engagement and conversion rates.

SKILLS

- **Programming Languages and Databases:** Python, R, Java, MySQL, MongoDB, PostgreSQL, Neo4j
- **Machine Learning**: Regression, Neural Networks, Computer Vision, Deep Learning, NLP, Image processing, Reinforcement Learning
- **Libraries**: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, PyTorch, TensorFlow, Keras, NLTK, OpenCV, SkLearn, Diffusers
- **Data Science**: Statistical Analysis, Predictive Modeling, Feature Engineering, Exploratory Data Analysis, Forecasting, Data Pipelines
- **Tools:** MATLAB / Octave, Git, Jupyter, Colab, Tableau, Google Cloud, AWS, CUDA

CERTIFICATIONS

- **Social and Behavioral Responsible Conduct of Research** | CITI Program
- **Machine Learning** | Coursera - Stanford University
- **Artificial Intelligence with Machine Learning** | WAC - Workshop series at DA-IICT
- **Webinar on Research and Scientific Writing** | Gujarat University Library
- **Introduction to Big Data and Artificial Intelligence** | MSUB