Gaurang Solanki

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## EDUCATION

**University of Missouri- Kansas City** Missouri, USA

*Master of Science in Data Science, GPA: 3.9 Aug. 2022 – Exp. May 2024*

* ***Relevant coursework****: Data Science, Deep Learning, Natural Language Processing, Statistical Learning, Machine Learning, and Big Data Management.*
* ***Projects****: Diabetes Management Platform, Animal Migration Analysis (Climate Change Impact), Real-time Sentiment Analysis on Tweets, and Facial Recognition and Validation using Deep Neural Network*

**Lovely Professional University** Punjab, India

*Bachelor of Technology in Information Technology Aug. 2018 – May 2022*

## EXPERIENCE

**Graduate Assistant-Data Science –** University of Missouri-Kansas City *June 2023 - Present*

* Transforming, Analyzing, and visualizing advisor-student meeting records for insights and understanding
* Designing and implementing automated workflows for recurring weekly tasks.
* Assist with Roo Advising Advisors Assignments
* Special projects as assigned.

**Project Research Assistant -** University of Missouri-Kansas City *June 2023 – Aug 2023*

* Performed word-level and sentence-level embedding on unstructured text data using GloVE, BART, and GPT2 embeddings.
* Zero-shot classification using BERT, and ChatGPT GUI and API approaches, achieving an accuracy rate of 96%+.
* Exploration of the GPT-3.5 model for text Analysis and summarization tasks.

**Jr. Machine Learning Intern –** Omdena *May 2021 – July 2021*

* Performed Object Detection and Randomized selection from images in collaboration with 40+ people worldwide.
* Annotated and reviewed 300+ images on Label Box for data preparation
* Collaboration on Mobile-Net SSD architecture for light, deployable solution for Dense Object Detection
* *Impact:* Reduced supervision requirements and made the process transparent, thus slashing costs and malpractices.

## PUBLICATIONS

* **Solanki G**, Mahawar K, Singh P, Puneet (2022), A Learning-Based Classification Model for Vegetables Recognition and Recipes Recommendation, International Journal of Engineering Applied Science and Technology, 7(4), 95-98.

## TECHNICAL SKILLS

* **Programming Languages**: Python, R, C, C++, Java, JavaScript, HTML/CSS
* **Data Science Tools**: Machine Learning, Deep Learning, NLP, Transformers, CNNs, ETL, PyTorch, Pandas, NumPy, TensorFlow, Time Series Forecasting, Optimization, NLTK, SciPy, Scikit-Learn, OpenCV
* **Databases and Big Data**: SQL, MongoDB, PostgreSQL, NoSQL
* **Tools**: Power Automate Flow, APIs, Git, Flask, Power BI, MS Excel, Azure, Google Cloud, AWS.

CERTIFICATIONS

* [Google TensorFlow developer](https://www.credential.net/cf47cc6d-7559-4ca0-863b-ff09fed64a8a#gs.nknq3v)
* [Online Machine Learning- Stanford University](https://coursera.org/share/5974f4f40fd2def679544cefc4de8823)
* [Hackathon (Honorary Mention), Fall 2022](https://info.umkc.edu/hack-a-roo/fall-2022-t-mobile-track/)