# Suraj Shivakumar

813-797-8145 | suraj36@usf.edu | linkedin.com/in/suraj-shivakumar | github.com/Suraj

## EDUCATION

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| **University Of South Florida** | Tampa, FL |
| *MS Business Analytics and Information Systems* | *Expected May 2025* |
| **Visvesvariah Technological University** | Bengaluru, India |
| *Bachelor of Engineering in Electronics and Telecommunications* | *Aug. 2016 – Aug. 2020* |

## EXPERIENCE

**Jr. Data Scientist** — Jan. 2023 – Jul. 2023
*Yulu*

- Developed and implemented a dynamic performance scorecard with key performance indicators (KPIs) using SQL; reduced HR turnaround time from 5 hours to an impressive 10 minutes.
- Designed a data-driven bike demand prediction , applying machine learning techniques to analyze historical rental data, weather patterns, and urban traffic trends, resulting in a 20% improvement in fleet utilization and enhanced customer satisfaction.

**Associate Data Analyst** — May. 2022 – Jan. 2023
*Fleek Technologies*

- Collaborated with the Growth and Marketing team to develop a machine learning model using XGBoost to predict customer churn, resulting in a 12% increase in Return on Ad Spend (ROAS).
- Developed and managed a PostgreSQL database and maintained a version-controlled code repository, enabling real-time monitoring of essential KPIs through reporting dashboards. This setup tracked various ad campaign metrics, thereby increasing team efficiency by reducing manual data processing time by 50%.

**Data Analyst** — Jan. 2021 – May 2022
*Findability Sciences*

- Created an advanced Deep Q Learning-based model specifically tailored for Real-Time Bidding. This led to enhanced dynamic pricing capabilities, resulting in a 5% reduction in cost per mille.
- Leveraged unsupervised learning techniques such as K-means clustering and DB-Scan to create a customer segmentation model.

## PROJECTS

**AutoWise:Used car marketplace** | *Python, Flask, Javascript, PostgreSQL,Scikit Learn* — June 2020 – Present

- Engineered a full-stack used car marketplace platform using Flask, JavaScript, HTML, and CSS and postgresql for the database, demonstrating proficiency in end-to-end development.
- Developed a precise price recommendation system using a stacked machine learning model (Random Forest, XGBoost, MLP), enhancing pricing accuracy and user experience.
- Implemented a dynamic recommender engine utilizing a collaborative filtering method on data scraped using Selenium and Python, providing users with personalized recommendations based on the current viewing item.

**CNN based Hindi Dictation** | *Python, Flask, Tensorflow, Javascript* — May 2018 – May 2020

- Created a learning platform tailored for individuals keen on mastering the Hindi alphabet.
- Used a Convolutional Neural Network, trained on a dataset of over 30,000 handwritten Hindi characters via TensorFlow.
- Built a web application using Flask for real-time feedback on learners' inputs, ensuring minimal latency.

## TECHNICAL SKILLS

**Languages**: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
**Frameworks**: Numpy, Pandas, Matplotlib, Plotly,Spacy,Tensorflow, Pytorch
**Tools**: Git, Tableau, Metabase, Apache Superset, Splunk, Microsoft Excel
**Capabilities**: Statistical Analysis, Time Series Analysis, Machine Learning, Data wrangling, Data Visulaization