|  |
| --- |
| Sahasransu Kar |

Ark Homes, Hyderabad, TS, India | (+91)9866481041 | Sahasransukar777@gmail.com | www.linkedin.com/in/sahasransukar

# Professional Summary

Data driven consultant closely 3.6+ years of experience with a proven knowledge of implementing Data Analytics and Machine Learning along with a good experience in Data Visualization, Data Transformation and Data Integrity projects. Seeking opportunity to leverage my skills to the full potential and solve the various business problem.

# Experience

## Data Science Consultant - Ernst and Young LLP  Feb 2020- PRESENT

* Leveraged machine learning algorithms and statistical modeling techniques to develop predictive models, resulting in a 15% increase in customer retention.
* Conducted exploratory data analysis on large datasets, identifying key patterns and insights that guided marketing strategies and led to 80% boost in costumer retainability.
* Collaborated with cross-functional teams to design and implement data pipelines, reducing data preprocessing time by 30% and improving data accuracy.
* Led a team of data analysts to deliver actionable insights to stakeholders, resulting in data-driven decision-making and improved operational efficiency.

# Skills

* Languages: English, Hindi, Bengali, Odia
* Programming Languages: Python
* Databases: SQL Server 2008 &2012, MySQL, MongoDB, PostgreSQL, Elastic Search
* Machine Learning: Neural Networks, Clustering, Regression and classification technique, NLP, Recommendation systems and Natural Language Processing
* Tools: Word, Excel, NUIX, Relativity, TensorFlow, Keras, Spacy, PyTorch, NLTK, Pandas, NumPy, PySpark, Scikit-learn, OpenCV, Tkinter, Flask, Django, Google Cloud Platform, Azure, Azure Databricks
* Data Visualization: PowerBI, Matplotlib, Tableau, Seaborn, Plotly, Kibana
* Soft Skills: Good communication, Hardworking, Positive attitude, Passionate learner, Calm and composed.

# Projects

## Created a credit score computational algorithm for a financial institution to help them lend and analyze the customer user base

* Technologies: Python, Pandas, SQL, PowerBI,
* Achievements: Designed and implemented a credit scoring algorithm for a financial institution to assess the creditworthiness of potential borrowers. Leveraged statistical modeling and machine learning techniques to analyze customer data, assess risk factors, and calculate credit scores. The algorithm helped the institution make informed lending decisions and gain insights into their customer base.

## Satellite Images using Deep Learning Model for detecting agriculture fields

* Technologies: Python, OpenCV, TensorFlow, SkLearn, Copernicus
* Achievements: Achieved 85% accuracy for classifying rice and banana crops.

## Worked on anti money laundering and ANALASIS OF transation for one of the Investment banks of Switzerland

* Technologies: Python, MySQL, powerBI, EDA
* Achievements: Successfully analysed a series of intricate financial transactions involving multiple jurisdictions, nested accounts, and layered transactions. Identified potential red flags indicative of transaction structuring to evade detection, leading to the submission of a high-quality Suspicious Activity Report (SAR).

## Personal/Sensitive Data Identification for a US video-sharing, social networking services Client

* Technologies: Python, MySQL, Redis, Hive, Clickhouse, KAFKA, MongoDB
* Achievements: Identified sensitive information across thousands of databases of different database types and developed microservices for data extraction.

## FERPA Data Identification for US educational organization and geochemical client

* Technologies: Python, NUIX, Index Engines, Elasticsearch, Kibana, PowerBI
* Achievements: Executed indexing, data extraction, and built dashboards and visualizations. Handled Network Log analysis, System analysis, Schema analysis.

**End-to-end Criminal Identification using Deep Learning Model GUI and Android app**

* Technologies: Python, Firebase database, OpenCV, TensorFlow, SkLearn, Android, Tkinter
* Achievements: Developed real-time face recognition, emotion, age, and gender detection model with 92% accuracy.

## Inhouse Investigative Analytics & Intelligence Software

* Technologies: Python, Flask, Machine Learning, NLP, Elasticsearch, SQL, OpenCV
* Achievements: Indexed structured & unstructured data, built Email Sentiment Analysis, and Topics Extraction model.

# Education

# Bachelor’s in technology May-2020

* Specialization in Computer science and engineering
* CMR Technical Campus (JNTUH), Hyderabad

# Intermediate March-2015

* Specialization in Science and Coumputers
* Kendriya Vidyalaya, AFS Begumpet, Hyderabad

**Achievements**

* Developed a Criminal Detection app demonstrated to Prime Minister Narendra Modi.
* Certified in Data Science and Big Data analysis by DELL EMC.
* Awarded with Discipline Star Award from IIT Madras.
* Participated in Smart India Hackathon 2020.
* Received Kudus spot award in EY – Data science domain as the best performer.