NIKIL SIVAKUMAR

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PROFESSIONAL SUMMARY

A Data Scientist with 6+ years of experience in extracting actionable insights, building robust models, and driving successful data-driven initiatives. Proficient in Python, SQL, Model building, and Tableau, along with a strong foundation in machine learning, deep learning algorithms and statistical modeling. Passionate about leveraging data to solve complex problems and optimize business outcomes.

SKILLS & PROJECTS

Languages and Tools: Python, SQL, MongoDB, Scikit-learn, TensorFlow, Pytorch , Pyspark, Docker, Github, AWS, Qlik, Tableau, Agile, Git, MLFlow

Core Competency: Machine learning, deep learning, LLM, LSTM, BERT, Bootstrapping, Bagging, stochastic gradient descent(SGD), Ensemble models, Transformers, clustering, Trees and Graphs, NLP, NLU, CNN, algorithms, Hugging Face

Projects: End to End Student Mark Prediction, End to End Kidney Disease classification, End to End Text Summarizer.

PROFESSIONAL EXPERIENCE

Verizon India Project, Senior Software Engineer

(Internal Transition to HCL)

HCL Technologies, Apr 2011 - Oct 2023
Techstar, Nov 2019 - April 2021

- Developed an Employee classification system using GBM, to classify the employee readiness in upskilling themselves and classifying them based on their skill group.
- Contributed to the Employee Churn prediction system, working extensively on the data wrangling and model building. Developed a
- scalable and efficient reporting architecture for the TAG team at Verizon India, utilizing AWS, Postgres, and Tableau, resulting in 75% increase in timely and accurate delivery of reports.
- Implemented data governance policies and procedures within the reporting architecture, ensuring data accuracy and integrity with an overall reduction in error rates by 15%.
- Migrated company-wide dashboards from Qlik to Tableau, resulting in a 30% increase in data visualization capabilities and improved overall efficiency.

League Edu Overseas, Analyst   **Feb 2019 - Oct 2019**

- Created and maintained interactive Tableau dashboards that provided real-time visualizations of key performance indicators, enabling executives to easily track progress and make data-driven decisions.
- Developed Promotional analytics to increase the conversion rate by around 18% in Tableau.

AlterEgo Communications, Digital Marketing Analyst   **Feb 2018 - Feb 2019**

- Analyzed quarterly sales data using Tableau Dashboards to identify key trends and patterns, enabling the marketing team to make data-driven decisions that led to a 15% improvement in marketing ROI.
- Built a churn prediction model to identify customers at risk of churning and implement targeted retention strategies. This model uncovered key customer behavior patterns and subsequently achieved a 10% increase in sales.

Vyakya Technologies, Analyst   **Mar 2017 - Feb 2018**

- Built and deployed regression model to predict churn statistics for a leading Education software provider, leading to a 10% reduction in customer attrition.
- Developed a Dashboard to help them fill the gaps in sales and customer support.

Technicolor Connected Homes, Software Developer   **July 2016 - Jan 2017**

- Collaborated with cross-functional teams to establish CI testing units utilizing Jenkins builds, leading to a 20% improvement in overall testing efficiency. Contributed to the development of boot-loader functionality and software banks functionality for the router, resulting in a more streamlined and efficient system for software updates.

EDUCATION

B.Tech IT, SASTRA University   June 2015