

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

HCL Technologies, Apr 2011 - Oct 2023

Techstar, Nov 2019 - April 2021

(Internal Transition to HCL)

- 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