

ADITYA SHARMA

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EDUCATION

BACHELOR OF ENGINEERING | *University Institute Of Technology, RGPV, Bhopal* | CGPA- 7.7

2015-2019

WORK EXPERIENCE

MACHINE LEARNING SPECIALIST | *Trainman (Adani Digital Labs)*

May 2022-Present

Trip Assurance

- Architected and developed machine learning models to predict train ticket bookings for Trip Assurance, demonstrating expertise in the end-to-end design, development, and deployment processes on GCP.
- Created customized dashboards, reports, and portal views to efficiently monitor daily bookings and revenue, providing actionable insights for informed decision-making.
- Played a key role in data gathering, visualization, and feature selection, ensuring the inclusion of relevant factors in the modeling process.
- Implemented streamlined maintenance procedures for the ML models, automating re-training processes and monitoring crucial metrics such as accuracy, precision, and recall.
- Applied predictive ML models to Trip Assurance, introducing an innovative approach that yielded a remarkable 15% increase in bookings, effectively optimizing revenue generation.

AI ML ENGINEER | *Tata Consultancy Services*

Aug 2019-May 2022

Time Series Analysis

- Spearheaded the development and deployment of an advanced predictive model tailored for the TCS finance team, enabling accurate forecasting of billing and revenue.
- Conducted comprehensive research and evaluation on state-of-the-art models, including LSTM, ARIMA, SARIMA, FbProphet, and neural networks, to identify the optimal approach for modeling time series data.
- Implemented efficient data retrieval strategies by designing and conceptualizing pipelines, leveraging the power of SAP HANA to streamline access to the database.
- Collaborated closely with the finance team, actively contributing to the development and maintenance of bespoke dashboards that catered to their specific requirements, providing actionable insights for informed decision-making.

Speech-to-text (Azure, Google Cloud, NLP)

- Integrated cutting-edge 'speech-to-text libraries' from Azure and Google Cloud into open-source code, creating robust transcription capabilities.
- Developed a sophisticated model incorporating Topic Modeling and Text Classification (NLP) to enhance the accuracy and organization of generated transcripts.
- Conducted thorough evaluations of cognitive search, fuzzy search, and elastic search across various platforms (Azure, AWS, GCP) to identify the most effective solution for efficient text retrieval and search functionality.

CERTIFICATES

- Earned an advanced certification in *Data Science & Machine Learning* from *Scaler*, a prestigious institution renowned for its cutting-edge curriculum and industry-focused training.
- Demonstrated proficiency in advanced concepts and techniques in data science and machine learning, showcasing a deep understanding of complex algorithms, statistical modeling, and predictive analytics.(Udemy)

SKILLS

- **Technical Skills:** Python, Java, Django, Pandas, Numpy, SQL, Tensorflow, Scikit Learn, Tableau, Seaborn, Neural Networks, Computer Vision, Natural Language Processing (NLP), Google Cloud Platform (GCP), ML Algorithms, Predictive Modeling, Git, Statistics and Probabilities, MongoDB, Linux.

ACHIEVEMENTS

- **1st AI & ML Project for TCS Finance:** Amongst the first few people who developed and deployed AI ML solution for TCS Finance Team.
- **Trip Assurance:** Designed a unique project of Trip Assurance for Trainman App to provide precise confirmation chances of train ticket to the users. (10+ Downloads)