

ANANYA SATHYANARAYANA

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SUMMARY

Seasoned software engineer with 10 years of technical expertise transitioning to data science. Proven track record of solving complex technical problems, with strong programming skills in Python, SQL, and machine learning frameworks. Passionate about leveraging data-driven insights to drive strategic decision-making and develop innovative solutions.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **Machine Learning:** scikit-learn, TensorFlow, Keras, NLP
- **Data Analysis:** Pandas, NumPy
- **Visualization:** Matplotlib, Seaborn
- **Tools:** Git, Jupyter Notebooks

EDUCATION

- Currently pursuing Post Graduate Program in Artificial Intelligence and Machine Learning from **University of Texas at Austin** (batch of March 2025)-
CGPA:4.22/4.33
- Completed **B.E. in Computer Science** from CMR Institute of Technology (Visvesvaraya Technological University) with aggregate of 68.47

PROJECTS on AI/ML

Text Summarization of News articles for Stock Prices Analysis using HuggingFace

- Utilized a Hugging Face model to identify key topics for News articles on weekly basis for a given stock price data
- Identified Top 3 topics and events each for positive and negative News articles in JSON format
- Shared key insights and Business recommendations to utilize sentiments for News articles for stock price prediction

Credit Card Customer Churn Prediction and Deployment using Flask

- Performed EDA and model experiments to identify best model
- Conducted Hyperparameter tuning of the best 3 models using GridSearch
- Finalized the XGBoost model for deployment and packaged it using Flask RestFul API
- Tested the interface using PostMan tool post deployment

Quarterly Sales Report for Used Cars company using SQL

- Prepare and execute SQL queries to gather data regarding sales, shipment and feedback
- Identified pattern of declining sales due to increase of negative feedback and increase of shipping time
- Provided business recommendations to reduce average time to ship the car

WORK EXPERIENCE

- **Technical lead, Cognizant Technologies, Bangalore** Dec 2014 to June 2019
 - Managed design and delivery of several TIBCO interfaces for insurance advisers of an Australian banking client
 - Developed custom mapping using Java code
 - Involved in project estimation and resource planning for new projects
 - Involved in technical training and mentoring of new hires on TIBCO skills
 - Involved in conducting technical interviews for the team and the organization
- **Senior Software Developer, Hewlett-Packard Global soft Limited, Bangalore** - Oct 2011 to Dec 2014
 - Developed business workflows using TIBCO iprocess for a telecom company in the UK
 - Involved in workflows and interfaces for EU Roaming workflows within TIBCO
- **Software Developer, Infosys, Bangalore** - Jul 2007 to Oct 2011
 - Developed SQL scripts for a data migration project
 - Designed and developed a critical module for a customer relationship management program

CERTIFICATIONS/ACHIEVEMENTS

- Placed 5th in Restaurant Turnover Prediction in Hackathon conducted by Great Learning (May 2024)
- Placed in Top 16% in African Credit Score prediction challenge on Zindi with Private Leaderboard score of 67% (January 2025)