

Satyanarayana D

Lead Data Scientist

Bangalore, India

+91 9731423404

satyam.66866@gmail.com



I am an enthusiastic Self-directed Data Professional with 14+ years of experience in Data Management projects having 4+ years of experience working as Lead Data Engineer & Machine Learning Developer in IT industry in Data Driven Solutions

Skills

Programming Languages: Python, SQL

Visualization Tools: Tableau, Power BI

Packages: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, XGBoost

Cloud Platforms: Azure, AWS

Machine Learning: Supervised & Un-Supervised Machine learning techniques with Linear & Logistic regression, KNN, Naïve Bayes, SVN, Decision Tree, Random Forest, Computer vision & NLP, Ensemble techniques, TensorFlow, Keras

Certifications

- Microsoft Certified Azure AI Fundamentals
- Microsoft Certified Azure Fundamentals
- ILM Data Archive 6.x Developer Specialist

Education

Bapatla Engineering College - B Tech

June 2002 - June 2006

Graduated in Electrical & Electronics Engineering

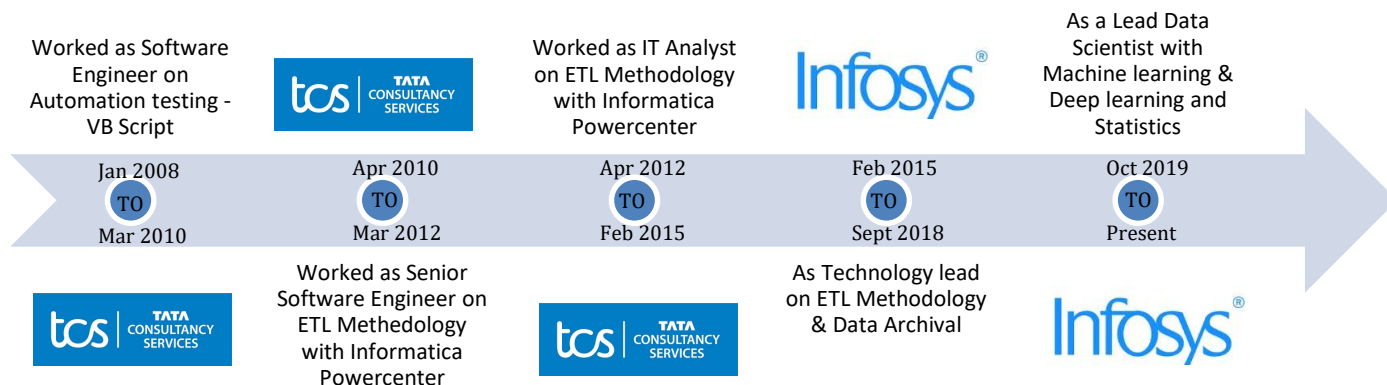
Awards

- Received DNA Insta Award (4 times) for Exceptional work
- Received DNA Star Award

Profile Summary

- Currently associated with **Infosys Ltd.**, as **Lead Data Engineer**
- **Statistical Expertise** entails knowledge of **Probability Distributions, Random Variables, Regression, Correlation**, Hypothesis Testing, Modeling Time Series Data, Stochastic Process & Simulation, Information Theory and Monte Carlo Simulation
- Expertise in **ETL methodology** for supporting Data Extraction, transformation and loading processing, in a corporate-wide-ETL Solution using **Informatica- Power Center**
- Experience in **Data archival / Application retirement** using **Informatica ILM Data Archival**
- Proficient in Algorithms, **Data Science, Machine Learning, Deep Learning** and Statistics; applied advanced statistical and predictive modeling techniques to build, maintain and improve on multiple real-time decision systems
- Well-accustomed with the ways of implementing data mining and statistical machine learning solutions to various business problems & cleaning, converting/ analyzing data for the purpose of finding insights and making conclusions
- **Achievement-oriented professional** with strong decision-making, leadership, analytical and communication skills for enabling effective solutions
- **Project Management** as per PMI standards
- Experience in Requirements analysis, estimating development work and creating Resource plan & **SOE (Schedule of Events)** for implementation
- Team Building and Mentoring
- Worked extensively in team-oriented environment with strong, analytical, interpersonal and communication skills

Career Timeline



PROJECTS

Name: Mortgage Loan eligibility prediction system

Description: To build an automated system for a UK based Asset financing bank to identify customer loan eligibility

Duration: June 2020 to Till Date

Significant Accomplishments:

- Business use case identifications for Mortgage loan system.
- Team building and leading the team for Artificial Intelligence Project

Roles & Responsibilities:

- Interact with clients & Business analyst to gather requirements
- Collect data from multiple sources and aggregate into DB2 tables using Informatica PowerCenter
- Convert the customer data using **ETL & analytical** solutions
- Use different machine learning models like **Logistic Regression, Random Forest** and develop predictive systems
- Create visualizations for business to understand and take better decisions
- Effective communication with different departments and roles to discuss data-driven findings and technical details
- Educate and train team members on Data Science subject
- Estimate, plan and coordinate the delivery of projects
- Working in Agile framework & conduct daily stand-up calls

Name: Vehicle Insurance Automation system

Description: To build an automated machine learning system for vehicle insurance claim and approval

Duration: Jan 2019 to May 2020

Roles & Responsibilities:

- Collaborate with business teams to understand all aspects of the problem
- Verifying data quality, and/or ensuring it via data cleaning
- Apply knowledge of ML, statistics to experiment and design automated system
- Work closely with team to come up with **ML model for automated** insurance settlement process
- Build ML pipelines, including stages such as data pre-processing, model generation, model evaluation

Name: Leading Payment Card Network provider

Description: To extract meaningful insights from Transactional data using advanced machine learning

Duration: October 2017 to Jan 2019

Roles & Responsibilities:

- Performing tasks which involve the use advanced modelling techniques: **regression, time series, machine learning** to provide actionable results and to influence business decisions
- Working algorithms to extract information from large data sets and establishing scalable, efficient, automated processes for model development, model validation, model implementation and large-scale data analysis

- Developing solutions by studying information needs, conferring with users, studying systems flow, data usage, and work processes; assisting in determining operational feasibility through analysis, problem definition, requirement analysis, and proposing solutions

Name: Data Archival System

Description: The purpose of this project is to build B2B Archival system over existing DX 9.5 repository where events and supporting information is stored

Duration: July 2016 to Oct 2017

Roles & Responsibilities:

- Worked with business to gather requirements and define the **Data Archive solutions** for application retirement, live data archiving etc.
- Performed End to End hands-on development to create archive jobs and load data into Data Vault

Tools: Informatica Power Center 9.5 (ETL), Oracle 11g / 10g /9i, DB2, **Informatica ILM 6.x**

Name: Global Deceptive Merchant System

Description: The purpose of this project is to deliver new reports to the Network and Participants highlighting potential deceptive merchant activity. Based on the reports and the supporting policies, Participants may be required to investigate deceptive merchant activity and address concerns

Duration: Feb 2015 to Oct 2016

Tools: Informatica Power Center 8.6 (ETL), Oracle 11g / 10g /9i, DB2, MS SQL Server.

Roles & Responsibilities:

- Involved in the preparation of Source to Target mapping sheet
- Involved in the creation of shortcuts for source and target definition
- Working on Power Center client tools like Source Analyzer, Target Designer, Mapping Designer, Mapplet Designer and Transformations Developer.
- Involved in extracting data for cleansing activity from Relational tables and Flat Files then transformed and loaded into Data Warehouse Targets using Informatica.
- Used most of the transformations such as the Source Qualifier, Expression, Aggregator, Connected & unconnected lookups, Filter, Router, Sequence Generator, Sorter, Joiner, and Update Strategy.
- Developed Informatica mappings and created logical layer for ETL process.

Name: Data Warehouse

Description: The purpose of this project is to create a warehouse solution for a leading Manufacturer and retailer

Duration: Jan 2012 to Feb 2015

Tools: Informatica Power Center 8.6 (ETL), Oracle 11g / 10g /9i, DB2, MS SQL Server.

Name: Functional Testing

Description: To perform Functional testing for leading Healthcare service provider for the sales data with Facts & dimensions

Duration: Jun 2008 to Dec 2011

Tools: SQL*PLUS, Manage now, Service now, IPVM, HOD

Academic Achievements:

- Bagged Sri Marellapudy Suryanarayana Silver Medal from Acharya Nagarjuna University for securing GATE rank to be among top 10 in all EEE students of the University for the Batch 2002–2006
- Awarded by District SP for scoring Mandal second in EAMSET engineering entrance exam 2002