

PRUDHVIRAJU SRIVATSAVAYA

APPLIED MACHINE LEARNING ENGINEER || MACHINE LEARNING || ETL TESTING

Professionally qualified Applied Machine Learning Engineer with overall 2.6 years of experience in Analytics including Machine Learning, Deep Learning, Data Mining, Statistical Analysis and 4 years in ETL Testing



Profile Summary

- A dynamic professional with 2+ years of experience in Machine Learning and 4 years of experience in ETL Testing
- In-depth knowledge in Supervised, Unsupervised, NLP, Deep Learning techniques
- In-depth knowledge in **Statistics and Probability**; SQL Plus, Toad/SQL Developer for Designing SQL Statements
- A keen planner, **strategist & implementer with proven success** in project management and effective management of various resources to meet project specifications
- **Identified, collected, processed and analysed the data**, specimens, and/or samples according to established protocol, procedures & standards, as appropriate to specific objectives of the research study
- Planned and **organized day-to-day research activities** and resolved procedural problems as appropriate to the timely completion of research objectives
- Engaged in **Data Analysis, Statistical Model Building**, Predictive Analysis, Parameter Tuning, Visualization in Python
- Hands-on experience on executing the projects in **Agile and Scrum development Methodologies**
- Experience in ETL Methodology for Supporting data extraction, and testing in BI applications
- Proficiency in writing complex SQL queries to validate complex business logics



Core Competencies

Business Intelligence
ETL Testing
Machine Learning
Natural Language Processing (NLP)
Data Mining / Deep Learning
Database Testing
Training & Development
Leadership & Team Management
Research and Development



Technical Skills

- **Machine Learning:** Supervised Learning, Unsupervised Learning, Deep Learning & NLP
- **Big Data Technologies:** Hadoop Eco Systems (Hive, , SQOOP)
- **Programming Languages:** Core Java, Python, R (Basics)
- **Python Libraries:** Sklearn, Keras, TensorFlow, Matplotlib, Seaborn, NumPy, Pandas, NLTK, Gensim, Spacy, Sqlite3, Statsmodels
- **Testing:** ETL Testing, Salesforce Testing and Manual Testing
- **Database:** Oracle, MySQL & SQL Server
- **Version Control Tools:** GitHub
- **Reporting Tools:** Tableau
- **Query Languages:** SQL, HiveQL
- **Other Tools:** SQL Developer, Jupyter Notebook, Spyder, WinScp, Eclipse



Notable Accomplishments

- Achieved Excellence Award for Consistent performance during 2017-2018.
- Received spot award during 2018-2019 for the presentation within the team on areas such as Data Mining and Applied Machine Learning Basics
- Achieved Champion Award from Zurich NA (client) for the excellence in project deliverables during 2015-16.
- Stood State First in Sir C.V. Raman Maths Olympiad in 9th class



Soft Skills



Organizational Experience

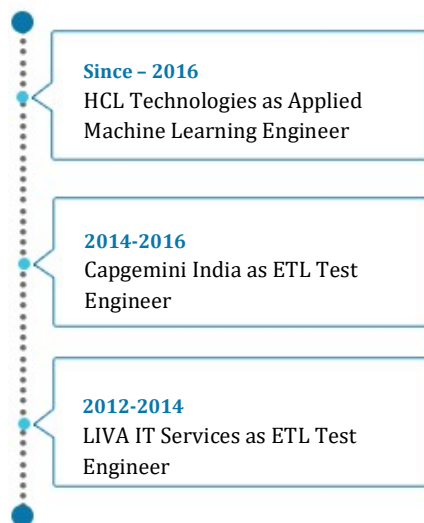
From Oct 25th, 2016 associated with HCL Technologies Limited as Test Analyst

Since March 21st, 2016 to Aug 12th, 2016 worked with Infosys Limited as Test Analyst

Since Sep 25th, 2014 to Mar 17th, 2016 worked with Capgemini India Hyderabad as Associate Consultant

Since Jun 4th, 2012 to Sep 19th, 2014 worked with LIVA IT Services Pvt.

Timeline



Key Result Areas:

- Executing data driven solutions to increase efficiency, accuracy, and utility of internal data processing
- Designing data regression models, using predictive data modelling, and analysing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems
- Engaged in performing Exploratory Data Analysis (EDA) to summarize their main characteristics, often with visual methods
- Working on:
 - Machine Learning (Predictive Analytics, Regression Techniques, Linear Regression, Logistic Regression, Decision Tree, SVM, Naive Bayes, KNN, K-Means, Ensemble Models, Random Forest, Dimensionality Reduction Algorithms PCA, Gradient Boosting algorithms (GBM & Boost)
 - Deep Learning (Artificial Neural Networks, Convolutional Neural Networks, Recurrent Neural Networks and LSTM)
 - Importing data from Oracle, MySQL into HDFS and Hive using Sqoop, TPT; studying Natural language processing (NLP)
- Performing all phases of machine learning project lifecycle such as data extraction, data cleaning, transform, feature development, statistical analysis, build solutions and deploy machine learning models
- Preparing automation scripts for repetitive tasks to save the development hours and improve the standards of the coding and testing activities

Academic Details

- B.Tech ECE from Pondicherry university - 6.86 (CGPA)
- Intermediate from STPP GOVT JUNIOR COLLEGE, Yanam - 79.60
- S.S.C from Regency public School, Yanam - 70.33%

Projects Executed

Project: 1

- **Title: Predictive Maintenance for Yanmar Marine Engine**
- Client: Yanmar India Pvt Ltd
- Description: Project aims to predict the engine failures before docking. The process includes understanding the data and find out what are all caused parameters for the damage and send an acknowledge to the customer before damage so that they will do require maintains.

Project: 2

- **Title: Management Awareness System**
- Client: City of Detroit, MI, USA
- Description: The Management Awareness System (MAS) is the process of systematic analysis of a Detroit Police Department member's performance patterns to alert supervisors of the possible need for intervention or special recognition. This System is a thorough, reliable and extensible platform for the acquisition, analysis, reporting and monitoring of early warning behavioural characteristics of members of Detroit Police Department.

Project: 3

- **Title: PANGEA (Platform for analytics and Next Generation Engineering Applications)**
- Client: HCL Technologies
- Description: Pangea offers a workbench approach by enabling analytics stakeholders to collaborate, build and operationalize analytics solutions for business problems. The business problem is introduced into the system as a Service request (SR) and it follows a systematic workflow to ingest data, build, deploy and monitor the analytics models that generate desired insights for solving the given business problem.

Project: 4

- **Title: Franklin - Underwriting (Commercial Insurance)**
- Client: Zurich North America
- Description: Data Management in the insurance domain of one of the largest Insurance Providers in US with the DATA WAREHOUSE testing. The Data is transformed in the Data Warehouse to support business analysis and reporting. Data warehousing is not just the data but also the architecture and the tools to collect, query, analyse and present information. There is a repository of data where data is coming from different sources like input files from BETA applications/operational data store tables. After transforming the data it will be loaded in a BDW brokerage data warehouse which is a historical data store.