

# Hari Thapliyal

DS/AI/ML/Analytics/PM Consultant, Trainer, Coach

+919535999336 ✉ [hari.prasad@vedavit-ps.com](mailto:hari.prasad@vedavit-ps.com) 📍 Bengaluru, IN 🌐 [www.github.com/dasarpai](https://www.github.com/dasarpai)  
in <https://linkedin.com/in/harithapliyal> 🌐 <https://dasarpai.com> k <https://www.kaggle.com/harithapliyal>

## SUMMARY

29 years of management & leadership, training, consulting, coaching experience in technology. 16 years in all phases of software product development. 10 years in course design, training, coaching, and consulting on Project Management. 3+ years experience in course development, exploring, experimenting, training, coaching, mentoring hundreds of professionals in Data Science, AI, CV, NLP, complex machine learning algorithms, statistical modeling, identifying patterns, and extracting valuable insights. Have diverse experience in planning & executing multiple projects and liaising with the key stakeholders to identify & resolve business problem statements and deliver excellent results.

## KEY SKILLS

• Azure AI • AWS • Machine Learning Methodologies • Optimization Techniques • Text Mining • Data Mining & Analytics • Predictive & Statistical Modelling • Sentiment Analysis • Account Mining • Data Analysis • Data Visualization • Project Delivery • Predictive Modelling & Analytics • Programming • Process Improvement • Team Coordination & Leadership • Architecting & Solutioning AI Products • Project Management

## WORKED AND TRAINED IN VERTICALS

Information Technology | Cargo | Recruitment/Staffing | Banking | Securities | Finance | Insurance | NGO | Petroleum Refinery | Pharmaceutical | ITES | Management Consulting | Solar Power | Construction | Industrial Engineering | LMS

## TECHNICAL SKILLS

- **ML Libraries:** scipy (pandas, numpy, matplotlib, sympy, scikit-learn, scikit-image), ggplot2, statsmodel, seaborn
- **AI:** Feature Engineering, Model Tuning, Model Evaluation, Feature Selection, Model Selection, Confusion Matrix, Bias-variance, Scree Plots, Model Monitoring, Retraining, PCA, tNSE, Dimensionality Reduction, Shapash
- **ML Algorithms:** Linear/Logistic Regression, Ensemble Trees, Decision Tree, Random Forest, Adaboost, LGBM, XGBoost, Gradient Boost, KNN, KMean, GridSearch, Cross Validation, SVM
- **Deep Learning:** Keras, PyTorch, TensorFlow, OpenAI, Embedding Transfer/Task Transfer, OpenCV
- **Computer Vision:** CNN, CV, YOLO, Keras, OCR
- **NLP:** Huggingface (repo), RNN, LSTM, GRU, Transformers, BERT, FastText, NLTK, SpaCy, IndicFT, mBERT, GPT2, Word Embedding (word2vec, GloVe, TFIDF, CBOW, Linguistic Features), embedding transfer
- **Big Data Ecosystem:** Hadoop, Querying (Hive/Pig), Data Migration (Scoop/ Flume), Spark, PySpark, Message Broker (Kafka), Zookeeper, HDFS, NoSQL (Cassandra, MongoDB), Resource Manager (MapReduce, YARN), Scheduler (Oozie), HBase, Redis, DynamoDB, PostgreSQL
- **Cloud Computing:** AWS, GCP, Azure Synapse Analytics, Azure Data Factory, Azure Databrick, SQL Database, Azure IOT Hub, HDInsight, Azure Data Lake, Azure Store, Azure Stream, Azure Event Hub, Azure ML Designer, Azure ML Studio, Azure Bot Services, Azure Cognitive Services, Google Analytics, GTM
- **On-Premise Computing/ Database:** SSIS, SSMS, SSAS, MySQL, CosmosDB, Oracle, SQLServer, TSQL, PLSQL, Columnar Databases, OLAP Cubes
- **Visualization/Front End/Analysis:** PowerBI, Tableau, Sharepoint, gretl, PSPP, Crystal Reports
- **Web Development:** Flask
- **Languages:** Python, Java, HTML, VB6.0
- **IDE:** PyCharm, Visual Studio, Visual Studio Code, Jupyter Notebooks, Google Colab, Kaggle Kernels
- **No Code/Less Code:** Design/Develop/Deploy Websites using Wordpress, Jumala, LimeSurvey, Search Engine Optimization
- **MLOps / DevOps:** github, SVN, VSS, Docker, Kubernetes, maven, pip, npm, MLflow
- **Statistics:** hypothesis testing, distributions, statistical measures,
- Time Series, Clustering, Regression, Classification, Anomaly Detection, Object Detection

## MANAGEMENT SKILLS

- Project Initiation, Planning, Work Execution/Coordination, Governance, Closure, Project Management Office
- Project Risk, Configuration, Quality, Resource, Cost, Schedule, Stakeholder, Communication Management
- Process definition, tailoring from ISO, CMMI, ISMS, process, and project audit.
- Agile, Scrum, XP, FDD, SAFe, Kanban,
- Software Size Estimation, Effort, Duration, Schedule, Resource Estimation.
- Team/Individual appraisals, conflict resolution.
- Telling ancient Indian stories in situational context, team/inspiration motivation/inspiration

## WORK EXPERIENCE

- **upGrad**, May'2021 to Till Now. Xpert Coach and Mentor for program 1- IIM Kozikode Program in Data Science. 2- IIT Bangalore Data Science, 3- IIT Bangalore Machine Learning program.
- **dasarpAI**, Jan'2021 to Till Now, Founder
- **Vedavit Project Solutions**, Jan'2010 to Nov'2020, Founder
- **Aurovision Pvt Ltd**, Mumbai, May'2006 to Jul'2009, Delivery Head,
- **Pyramid IT Consulting**, Noida, India (CMMI4), May'2005 to May'2006, Sr Project Manager
- **Cache Computer Systems**, New Delhi, Apr'2002 to Apr'2005, Project Manager
- **AMSYS Infotech**, Noida, Feb'2001 to Oct'2001, Project Manager
- Project Manager/Lead/Programmer with Various Companies, Dec'1993 to Dec'2000

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## EDUCATION

- **Pursing DBA (Phd) in Data Science from SSBM (Swiss School of Management, Geneva)**
- **M.Sc. in Data Science, LJMU+IIT Bangalore, Mar'2019- Jan-2021, Secured Distinction – 77%**  
**Thesis:** Identifying the best word embedding, algorithm, a neural network that can help in sarcasm detection in the mixed coded script and language Hinglish.
- **PG Diploma in Data Science, IIT Bangalore, Mar'2019- Feb-2020, Secured 3.46 / 4**
- **MBA in Operations, IGNOU, Delhi, Dec'00- Dec'02, Secured 3.17/5**  
**Course Modules:** 19 Subjects + Final Thesis
- **MCA, IGNOU, Delhi, Jun'99- Jun'01, Secured 63%**  
**Course Modules:** 17 Subjects + Final Product
- **PG Diploma in Financial Management, IGNOU, Delhi, Jun'96- Jun'97, Secured 61%**  
**Course Modules:** 6 Subjects

## CERTIFICATION

- Azure AI900. Microsoft. Jul '20
- Azure DP900, Microsoft, Aug'20
- PMP, [PMI USA](#), Feb'06
- PMI ACP, PMI USA, Dec'12
- PRINCE2 Practitioner, [AXELOS](#), Apr'13
- CSM | SPOC | SCT
- Kovida Sanskrit 2 Years, [Sanskrit Bharati](#), | Aug' 16
- Understanding Classical Scientific Text of India in Immersive Sanskrit Environment (30 hours), [IIT Indore](#), Oct'20
- Research & Data Analytics (30 hours), [Ramanujan College](#), University of Delhi
- Completed many courses from [Udemy](#)

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## My Website & Blogs

Architected, Designed, Developed, hosted my websites and blogs from scratch. I maintain the content and communicate with reader groups on a periodic basis. Websites and blogs are as below.

- <https://dasarpAI.com> – A Data Science, AI, ML, CV, NLP Blog
- <https://sanskrit.dasarpai.com/> - A Sanskrit inspirational Blog
- <https://pmlogy.dasarpai.com/> - A Project Management Blog for Project Managers
- <https://wia.dasarpai.com/> - A Philosophy Blog based on Indian Vedantic Tradition

## MEMBERSHIP

Member of PMI USA since 2006

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## KEY DATA SCIENCE PROJECTS / ACTIVITIES

### Training, Coaching 300+ professionals for following long term courses

- PG Diploma in Data Science, upGrad + IITB.
- Data Science in Business Decision Making, upGrad + IIMK
- Data & Machine Learning Diploma, HeroVired + MIT

### Selected Projects Out of 30+ Projects

- Sarcasm Detection in Hinglish Language | Tech Stack: Python, PyTorch, mBERT, NLP, FastText, ML, DT | Nov'20
- Hand Gesture Recognition from Live Stream | Tech Stack: Python, CV, Keras, CNN, RNN, GRU | Feb '20
- Driver Availability for the Day. | Tech Stack: Python, sklearn
- Creating a Cluster of Countries who need Help International Funding | Tech Stack: Python, PCA, Hierarchical Clustering, KMean, Silhouette Score, Hopkin Score