

HARIDEV S

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EDUCATION

Indian Institute of Science Education and Research, Tirupati

June 2024 – June 2025

Professional Masters in Data Science and Artificial Intelligence, **CGPA: 9.3/10**

Courses: Machine Learning, NLP, GenAI, Deep Learning, Data Structures & Algorithms, Probability & Statistics

National Institute of Technology Tiruchirappalli, Trichy, Tamil Nadu.

June 2016 – July 2020

Bachelor of Technology in Chemical Engineering, Minor in Management Studies, **CGPA: 8.29/10**

Courses: C++ Programming, Optimization & Numerical Techniques, Project Management

SKILLS & CERTIFICATIONS

Programming: Python, C++, SQL

Machine Learning & AI: Supervised Learning (Logistic Regression, Decision Trees, Random Forest, LightGBM), Unsupervised Learning (K-Means, Hierarchical Clustering, PCA), Deep Learning (CNN, RNN, LSTM), NLP, Computer Vision, Model Evaluation

Cloud & Tools: AWS (EC2, ECS, RDS, DynamoDB, S3, Lambda), Rest API, Postman, SignalFx, Excel

Libraries & Frameworks: Scikit-Learn, TensorFlow, Keras, NumPy, FastAPI, Pandas, Matplotlib, OpenCV, Plotly

Online Courses: [Jovian Data Science Bootcamp](#), [Working with Amazon DynamoDB using Python & Boto3](#), [Working with MySQL DB instance using AWS RDS](#), [Extract Text Data with Python and Regex](#)

WORK EXPERIENCE

Lead Consultant – ITC Infotech, Bengaluru

Feb 2021 - Ongoing

Project: SessionM - A Mastercard Company

- Built a user churn prediction model leveraging behavioral data, enhancing retention strategies and marketing personalization.
- Led resolution of critical incidents and product-level debugging, significantly improving software stability and performance.
- Acted as Incident Manager, collaborating with cross-functional engineering teams to diagnose and resolve high-impact issues while maintaining real-time client communication.
- Designed and deployed automated ETL pipelines and Python scripts, boosting operational efficiency by 200%.
- Trained over 50 new hires by delivering structured onboarding sessions covering product functionality, technical stack, and troubleshooting methods.

PROJECTS

Machine Learning for Product Classification: The Otto Group Challenge

- Cleaned & analyzed **93 feature** product data of **70,000+** records for **product classification** using Python
- Trained **logistic regression, tree-based models, neural network model** etc. with scikit-learn, LightBGM etc.
- Tuned **LightGBM classifier** to achieve a **log_loss of 0.47**, which is within the **top 30%** on Kaggle leaderboard

YOLOv8 Streamlit App for Video Annotation and Model Training

- Developed a Streamlit web app for object detection using YOLOv8 with support for video annotation and custom model training.
- Enabled model/dataset upload, hyperparameter tuning, real-time feedback, and downloadable outputs.

Car Evaluation using Feedforward Neural Network

- Built a feedforward neural network on UCI Car Evaluation dataset using TensorFlow and Keras Tuner for hyperparameter tuning
- Applied dropout to reduce overfitting and achieved an accuracy of **92%**, improving upon logistic regression baseline of ~84%
- Evaluated model using **loss curve, confusion matrix, and classification report**