

# ABHIGYAN SINGH

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Medium: [Abhigyan – Medium](#)

## EXPERIENCE

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- March 2021 - Present      Data Science Intern, **Hylobiz**
- Created a ETL flow for multiple processes in the organization.
  - Customer Acquisition Modelling to increase ROI on Ads.
  - Created Automated PDF reporting system that send weekly business summary to our customers.
  - Created Payment Fraud and Invoice Fraud System.
- September'2020 to March 2021      Data Science Research Intern, **INSAID**.
- Researched on algorithms to tackle domain specific problems.
  - Write tech blogs for company.
  - Data Visualization and Predictive Modeling.
  - Helped create course material.
  - Research on AutoML and Cloud platforms to build a course.

## PROJECTS

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- Payment Fraud Detection*
- Created a fraud detection model using RandomForest achieving a f1-score of 75%, to distinguish between the rare fraud and non-fraud transactions.
- Automated PDF Reports*
- Created an Automated flow using Apache Airflow, that would send weekly business summary of our clients.
- Other Projects:**
- Created a model that could predict the category in which news article belongs. Deployed it using AWS Fargate by containerizing it with Docker.
  - Achieved accuracy score of 0.65 on the test data.
  - Algorithm Used: Logistic Regression.  
[https://github.com/AbhigyanSingh97/NewsClassifier\\_And\\_Online\\_news\\_fetcher](https://github.com/AbhigyanSingh97/NewsClassifier_And_Online_news_fetcher)
- Loan Prediction*
- Worked on the problem of predicting the number of defaulters of a given loan.
  - Achieved an f1-Score of 99% for the imbalanced data.
  - Algorithms Used: Logistic Regression, RandomForest, ExtraTree, XGBoost and KNN. RandomForest performed the best.  
<https://github.com/AbhigyanSingh97/Loan-defaulters-prediction>

## EDUCATION

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- Bachelor of technology in Electronics and Communication Engineering from **SRM University (Chennai)** with a percentage of 72.13.

## SKILLS

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### Technical Skills

- Python, R
- Machine Learning(Linear and Logistic Regression, Decision Trees, RandomForest, XGBoost, KNN, KMeans, SVM, PCA, scikit-learn, pandas, NumPy)
- Deep Learning(Ann, CNN, RNN, Attention, Transformers, tensorflow, keras)
- NLP
- Databases(SQL, Basic knowledge of MongoDB)
- Tableau, PowerBI
- Cloud Platform: AWS, Azure.
- Tools: Jupyter Notebook, Spyder IDE, AWS SageMaker, Azure Notebook, PyCharm, Microsoft Excel.
- Others: EDA, Data Visualization, Feature Engineering, Feature Selection.
- MLOps/DevOps – Apache Airflow, Jenkins

### Personal Skills

- Possess the quality of a Good Story Teller.
- Team Player with effective communication skills.
- Ability to think of parallel solutions to the complex issues.

## ACHEIVEMENTS

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- **Mentor peers** in Machine Learning and Data Science.
- Presented and **Achieved 6<sup>th</sup> Place** in College **Major Project on Breast Cancer Classifier from Clinical Scans** in **International Conference on Recent Trends in Electronics, Computing and Communication Engineering (ICRTECC),2019**.
- **Write articles in Medium** on topic of Machine Learning and Data Science.

## COURSES / CERTIFICATION

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**Data Science Pro-Degree in Collaboration with Genpact from Imarticus Learning Bangalore.**