**MD Hamdan H**  
**Data Scientist**

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🔗 [GitHub](https://github.com/Hamdan-maker)

**SUMMARY**

A passionate Data Scientist with knowledge in predictive modeling, data processing, and data mining algorithms to solve challenging business problems. Possess one year of experience in Python and a strong understanding of various machine learning techniques.

**TECHNICAL SKILLS**

* **Programming/Scripting Languages:** Python
* **Tools/IDE:** PyCharm, Spyder, Jupyter Notebook, Tableau
* **Data Science:** Web Scraping, Machine Learning, Artificial Intelligence, Statistical Modeling, Natural Language Processing, pandas, scikit-learn, matplotlib, seaborn, Data Visualization, Analysis, Microsoft Excel
* **Development Life Cycle Process:** Waterfall, Agile

**CERTIFICATIONS**

* **Advanced AIML and DL Certification - Let’s Upgrade**  
  Aug 2020 – Apr 2021
* **Machine Learning Masters Certification from iNeuron**  
  Aug 2020 – May 2021
* **Business Analytics Masters Certification from iNeuron**  
  Oct 2020 – Jun 2021
* **Post Graduate Certification Program from Data Trained**  
  Feb 2021 – Feb 2022

**PROFESSIONAL EXPERIENCE**

**Test Engineering Associate**  
*Fiserv India PVT LTD, Bangalore*  
Mar 2020 – Present

* Working on software testing in banking applications handling debit card transactions.
* Managing data infrastructure to ensure smooth transaction flows.
* Utilizing both the Waterfall and Agile processes in projects.

**Associate Software Engineer**  
*Accenture Solutions PVT LTD, Bangalore*  
Apr 2016 – Jan 2020

* Functioned as a software tester in banking applications managing debit card operations.
* Involved in the creation and maintenance of card details and new card processes.
* Executed projects under both Waterfall and Agile frameworks.

**INTERNSHIPS**

**Data Science Intern**  
*Flip Robo Technologies, Bangalore*  
Jun 2021 – Dec 2021

* Conducted Exploratory Data Analysis (EDA), Data Preprocessing, and Machine Learning modeling.

**EDUCATION**

**Bachelor of Engineering**  
Mazhar ul loom College, Ambur, Tamil Nadu  
Jul 2012 – May 2015

**Higher Secondary School**  
Mazhar ul loom Higher Secondary School, Ambur, Tamil Nadu  
Apr 2011 – May 2012

**PROJECTS**

**Project 1: House Price Prediction**

* **Description:** Developed regression models for predicting house prices in Australia based on a dataset from a US-based housing company.
* **Technologies:** Linear Regression, Ridge, Lasso, Random Forest
* **Processes:** EDA, Pre-processing, Feature scaling

**Project 2: Micro Credit Loan Prediction**

* **Description:** Created classification models to predict loan eligibility for a Microfinance Institution catering to low-income populations in the telecom industry.
* **Technologies:** Classification algorithms with Ridge, Lasso, Linear Regression, Random Forest
* **Processes:** EDA, Pre-processing, Feature scaling

**Project 3: HR Analytics Attrition Prediction**

* **Description:** Developed models to predict employee attrition using HR Analytics datasets.
* **Technologies:** Support Vector Machine, Random Forest, Decision Tree
* **Processes:** Classification algorithms, EDA, Pre-processing, Feature scaling

**Project 4: Loan Application Status Prediction**

* **Description:** Built supervised classification models to predict the approval status of loan applications.
* **Technologies:** Logistic Regression, KNN, SVM, Random Forest, AdaBoost
* **Processes:** EDA, Pre-processing, Feature scaling

**Fiserv India PVT LTD Projects**

**Project 1: Onboard Sales Prediction (POC)**

* **Description:** Predicted sales of banking products for customers, selected in a hackathon for further development into an AI application.
* **Processes:** Predictive modeling, Data analysis

**Project 2: Predicting Fraudulent Transactions (POC)**

* **Description:** Developed a model to predict fraudulent transactions with 96% accuracy, suggested as an alternative to IBM products.
* **Processes:** Machine Learning, Data Analysis