

PRIYA DHARSHINI

PYTHON DEVELOPER | DATA SCIENTIST

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LINKEDIN

PROFESSIONAL SUMMARY

Python developer and Data Scientist with 1 year of hands-on Experience in Designing and Developing Web applications using HTML, CSS, Javascript, Django Frame Work. Highly motivated and experienced Data Scientist with expertise in extracting insights from complex data, driving business growth through data-driven decisions, and developing predictive models. Proficient in machine learning, statistical analysis, data visualization, and programming languages.

TECHNICAL SKILLS

Python	Data Structures	Machine Learning Algorithms	Deep Learning
MS SQL	HTML	CSS	JAVASCRIPT
Git and Git Hub	OOPs	Problem-Solving	Analytical Skills

PROFESSIONAL EXPERIENCE

SOFTWARE TRAINEE

02/2024-02/2025

Cloud Service For All

- Worked as a **Software Trainee** for 1 year in **Cloud Service For All** as a **Python Developer, AI/ML Engineer, and Data Scientist**, designing and developing scalable applications using Flask and Django frameworks and creating machine-tracking models using TensorFlow and scikit-learn.
- Lead a mentor team of machine learning engineers, data scientists, and researchers in designing, developing, and deploying machine learning solutions.
- Worked closely with clients and account managers to understand their needs and preferences.
- Collaborate with cross-functional teams to identify data requirements and gather relevant information.
- Collaborate with software developers, architects and data scientists to design and implement AI-driven solutions.

PROJECTS

PROJECT -1: AI FINANCIAL FRAUD DETECTION FOR IJ ASSOCIATES

- **Duration:** 3 Months
- **Software Used:** Jupyter Notebook V7.2.1
- **Client Name:** Elijah
- **My Role:** Machine Learning Engineer, Data scientist

Developed an Artificial Intelligence (AI) powered financial fraud detection system using machine learning algorithms to identify fraudulent transactions with high accuracy.

KEY FEATURES :

- Successfully developed an AI-powered financial fraud detection system.
- Achieved 99% accuracy in fraud detection using Logistic Regression algorithm.
- Identified 492 fraudulent transactions out of 2,84,806 transactions.

PROJECT -2: SENTIMENT ANALYSIS FOR SOCIAL MEDIA MONITORING

- **Duration:** 3 Months
- **Software Used:** Jupyter Notebook V7.2.1
- **Client Name:** Mateo
- **My Role:** Data Analyst

Developed a sentiment analysis model to monitor social media platforms, identifying public opinions and sentiments towards various topics, and determining the most popular social media platform.

KEY FEATURES:

- Top 10 sentiment scores: Positive sentiments dominate the dataset.
- Platform Analysis: Instagram is the most popular social media platform, surpassing Twitter and Facebook.
- Algorithms Used:
 - Logistic Regression.
 - Random Forest Classifier.
 - Support Vector Classifier (SVC).
 - Passive-Aggressive Classifier (PAC).
- Best Performing Algorithm: PAC with 70% accuracy.

PROJECT -3: AIRLINE PASSENGER SATISFACTION PREDICTION

- **Duration:** 3 Months
- **Language Used:** Python
- **Software Used:** Jupyter Notebook V7.2.1
- **My Role:** ML Engineer

Developed a machine learning model to predict airline passenger satisfaction using data preprocessing, feature engineering, and exploratory data analysis (EDA).

KEY FEATURES:

- Handled missing values, performed data encoding for categorical features, and normalized numerical data to improve model performance.
- Explored various classification algorithms like Logistic Regression, Random Forest, and XGBoost (if applicable) for predicting passenger satisfaction.
- Conducted feature engineering to extract insights from routes, flight duration, and customer feedback.
- Applied data visualization techniques using Matplotlib and Seaborn to analyze correlations and feature importance.

PROJECT -4: SRI NIVAS TEXTILES

- **Duration:** 3 Months
- **Language Used:** Python
- **Software Used:** Visual Studio 2022 V4.7
- **My Role:** Web Developer

As per client requirements, I developed Sri Nivas Textiles is an e-commerce website designed to showcase and sell textile products. As a web developer, I developed the website from scratch, incorporating a user-friendly interface and seamless navigation.

KEY FEATURES:

- Front end designing using HTML5, CSS3, JavaScript as a web designer.
- Led Full stack development for client-facing web application, resulting in 40% faster loading time and an improved user experience.
- Developed comprehensive logic and API for the web application.
- Product filtering and sorting. Worked on Client-Side Validation (Java Script) and Server-Side validation.

CERTIFICATIONS

GOOGLE	: GENERATIVE AI
TCS ION	: YOUNG PROFESSIONAL
TATA	: DATA VISUALISATION
INFOSYS	: FULL STACK DEVELOPER
TECHNICAL	: TYPE WRITING ENGLISH
DIGITAL ADDA	: EMBEDDED SYSTEM DESIGNER
LETS UPGRADE	: HTML, CSS, JAVASCRIPT

EDUCATION

Completed Bachelor of Agricultural Science with **First-class** honours from Tamil Nadu Agricultural University.

2019-2023

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I will be the responsibility for the correctness of the above-mentioned particulars.