

# ABIRAMI M

Dindigul, TamilNadu

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## Education

### PSNA College of Engineering and Technology

B.Tech Computer Science and Business Systems CGPA : 8.19

Nov. 2021 – May 2025

Dindigul, Tamil nadu

### IIT Madras

Diploma in Data Science CGPA : 6.19

May. 2023 – Sep 2024

Chennai, Tamil Nadu

### Government Girls Higher Secondary School

Higher Secondary(12th Grade) Percentage : 90.8

June. 2019 – May 2021

Dindigul, Tamil Nadu

## Experience

### VEI Technologies

June 2023 –July 2023

AI/ML INTERN

Chennai, Tamil Nadu

- Achieved a **15% growth** by implementing machine learning algorithms, such as logistic regression, decision trees, and gradient boosting, to optimize predictive analytics models.
- Implemented a machine learning algorithm, leading to a **20% improvement** in personalized content accuracy during my internship.
- Conducted **exploratory data analysis** for retail sales data, identifying key trends and insights that led to a 15% improvement in inventory management.

## Projects

### Uni Companion | Generative AI, Intel oneAPI, Streamlit, hopsworks.

- Designed and implemented personalized chatbots for university courses, providing customized assistance with assignments, study resources, and course inquiries.
- Utilized Generative AI to enhance student engagement, optimize learning processes, and improve academic outcomes through tailored support.
- Achieved a 30% increase in student engagement and a 20% improvement in assignment completion rates through the use of AI-driven chatbots.

### Recipe Review Rating Prediction | Python, Scikit-Learn, Pandas, Numpy, Seaborn, Matplotlib, Jupyter Notebook

- Developed a machine learning model utilizing classification techniques to predict recipe ratings.
- Aided users in selecting recipes by providing predictive insights into recipe ratings.
- Enhanced users' culinary experience by offering tailored recipe recommendations based on predicted ratings.

### House Price Estimation | Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook

- Developed a predictive model using machine learning techniques to estimate house prices based on various features such as location, size, and amenities.
- Implemented data preprocessing and feature engineering to improve model accuracy and ensure robust predictions.
- Achieved a 15% reduction in prediction error, enhancing the reliability of the model for real estate market analysis and decision-making.

## Skills

**Languages:** Python (Numpy,Pandas,ScikitLearn, Matplotlib), Java, HTML, SQL, C, C++

**Machine Learning:** Regression, Classification, Clustering, Text Classification

**Software :** PyTorch, Hopsworks, TensorFlow

**Technologies/Tools:**Excel, Power BI, Version Control(Git)

## Certificates

- Python Essential 1,2 - Cisco
- Preparing for Google Cloud Certification: Cloud Engineer - Coursera
- Data Analytics Essentials - Cisco
- Data Science : A Full Boot camp.

## Leadership / Extracurricular

- Led a **team of 4 members** in completing various projects, delegating tasks, and ensuring timely delivery of high-quality work.
- Served as a **Mentor** for Underclassmen, providing academic support, guidance, and career advice to younger students, assisting them in navigating their college experience.
- Coordinated **coding bootcamp** events aimed at teaching programming skills to beginners, overseeing curriculum development, instructor recruitment, and participant engagement.