

# Gayatri Padmani

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## PROFILE

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A dedicated and tech-savvy individual with a B.E. in I.T. Engineering searching for a challenging role at a progressive organization that offers immense growth opportunities and to implement my advanced knowledge and skills to contribute to the success of the organization.

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## PROFESSIONAL EXPERIENCE

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### Machine Learning Intern

*Feynn Labs*

I am working on Artificial Intelligence and Machine Learning products which helps in business sector by creating the real world AI & ML projects.

01/2023 – 04/2023

### Data Science Intern

*Yoshops.com*

I have worked on projects like web scraping, EDA, payslip generator, ATS, creating and formatting excel file with python codes, creating folders and subfolders using python codes.

01/2023 – 03/2023

### Data Science and Business Analytics Intern

*The Spark Foundation*

I have successfully completed The Sparks Foundation's Data Science and Business Analytics Internship #GRIPFEB23. In this internship, I have done 8 machine learning beginner, intermediate and advanced level projects like Numerical and Textual Analysis and Timeline Analysis: Stock Market Prediction using Covid-19. I have learned a lot from the project and this journey is very beautiful and i have lerned more.

01/2023 – 02/2023

### Python & IOT Intern

*TECHMICRA IT SOLUTION*

I have completed one year of training in python and IOT, during the training program I have developed a project "IOT BASED PHOTOVOLTIC SOLAR PANEL CLEANING SYSTEM" which also got selected for SSIP smart Gujarat Hackathon.

06/2019 – 04/2020

Ahmedabad, India

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## EDUCATION

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### BACHELOR OF ENGINEERING

*Shantilal Shah Engineering College*

CGPA - 7.90

09/2020 – present

Bhavnagar, India

### DIPLOMA

*Government Polytechnic For Girls*

CGPA - 8.23

08/2017 – 08/2020

Ahmedabad, India

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## PROJECTS

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### STUDENT GRADE ANALYSIS AND PREDICTION

11/2022

The main objective of this project is to Analysis & Prediction the final grade of Portuguese high school students. This is Machine Learning Project and The algorithms used to implement this project are Linear Regression, ElasticNet Regression, Random Forest, Extra Trees, SVM, Gradient Boosted, Baseline.

### BigMart Sales Prediction

01/2023 – 01/2023

Big Marts keep the track of their sales data of each and every individual item for predicting future demand of the customer and update the inventory management as well. The resulting data can then be used to prediction potential sales volumes for retailers such as Big Mart through various machine learning methods. The estimate of the system proposed should take account of price tag, outlet and outlet location. A number of networks use the various machine- learning algorithms, such as linear regression and decision tree algorithms, and XGBoost regressor, which offers an efficient prevision of Big Mart sales based on gradient. At last, hyperparameter tuning is used to help you to choose relevant hyperparameters that make the algorithm Shine and produce the highest accuracy.

## Music Recommendation System

Our objective is to build an application where users will be able to provide a link to their music playlist and get relevant content based recommendations from our pre-trained Machine learning model. Features that are planned to be implemented around this recommendation system pipeline are as follows -

- Users can have the options to get most similar song recommendations based on Input song of user's choice or input a user's spotify playlist. The results for which are generated by using the K Means clustering model.
- Using recently searched songs data of User, users would receive Email music recommendations on a weekly basis.
- Implement User analytics Dashboard to account for the following - Word cloud, playlist recommendation feedback(like/dislike), Most popular genres among users, last activity etc.

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## SKILLS

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**Programming** (Python, C/C++, Java, MySQL) | **Statical analysis and computing** | **Machine Learning & Deep Learning**

**Data Visualization & Data Wrangling** | **Statistics** | **Power BI** | **Tableau**

**Libraries** (TensorFlow, Keras, Scikit-Learn, Pandas, Matplotlib, Seaborn)

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## CERTIFICATES

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Crash Course on Python (Coursera | Google) [↗](#)

Using Python to Interact with the Operating System (Coursera | Google) [↗](#)

Exploratory Data Analysis for Machine Learning (Coursera | IBM Skills Network) [↗](#)

Machine Learning for All (Coursera | University of London) [↗](#)

Introduction to Statistics (Coursera | Stanford University) [↗](#)

Supervised Machine Learning: Regression and Classification (Coursera | DeepLearning.AI) [↗](#)

Advanced Learning Algorithms (Coursera | DeepLearning.AI) [↗](#)

What is Data Science? (Coursera | IBM Skills Network) [↗](#)