

# SELVARAJ S

DOB - 12-05-2003

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## Summary of Qualifications

- Good understanding in Python Programming
- Good Understanding in Machine Learning Concepts EDA(Exploratory Data Analysis)
- Good experience in developing UI using **ReactJS**
- Good experience in writing queries using sql database using MYSQL Workbench(8.0.34)

## Programming Skills:

Programming Languages: Python  
Libraries : Python libraries (numpy, pandas, seaborn, matplotlib, TensorFlow2.0)  
Others : Html5, CSS, JavaScript(React.js)  
Domain Interested : Python, Data Analysis, Back end development  
Knowledge : Creating Python Machine Learning Model, Web Development.

## Education:

QUALIFICATION	INSTITUTION	UNIVERSITY/BOARD	YEAR OF PASSING	PERCENTAGE
BCA (Computer Applications)	Rathinam College of Arts and Science	Bharathiyar University	2023	85
HSC	Devangar Higher Secondary School	Tamil Nadu State Board	2020	66
SSLC	Devangar Higher Secondary School	Tamil Nadu State Board	2018	74

## Professional Qualification:

Full Stack Python Development  
Besant Technologies, Bangalore  
Jul 2023 - Till Date

## Projects:

### [1] Flight-Price-Prediction

Duration	5 Days
Libraries	Python Libraries (numpy, pandas, seaborn, matplotlib, scikit-learn, RandomForestRegressor)
Tools	Jupyter Notebook(V.7 0.6)
Description	Predicting flight prices using a Python machine learning model involves several key steps, including Exploratory Data Analysis (EDA). EDA is crucial for understanding the dataset, identifying patterns, and selecting relevant features
Responsibilities	<ol style="list-style-type: none"><li>1. Identified the required Datasets made required changes in the Datasets</li><li>2. Data Collection: Gather the flight price dataset from airline websites.</li><li>3. Data Preprocessing: Clean the dataset to handle missing values, duplicates</li><li>4. Data Exploration: Perform initial exploratory data analysis on dataset.</li><li>5. And do some One Hot Encoding to improve prediction accuracy.</li><li>6. With the help of Package sklearn.model selection (test_test_split,) is used to split our data into train and test sets.</li><li>7. With the help of Package RandomForestRegressor to prediction of dataset.</li></ol>

## **[2] Book-Search-Site:**

Duration	10 Days
Libraries	ReactJS
Tools	VS code
Description	I developed a "Book Hub" is a web application built with React.js . Whether you're a book reader, a student searching a simply curious about the world of books, . In this description, It give the key features and functionalities that make Book Hub the perfect platform for discovering and exploring books.
Responsibilities	<ol style="list-style-type: none"><li>1. Identified the required React Package</li><li>2. Made required changes in the package as per the requirement</li><li>3. Designed the UI for Web Page and Built the same using the React packages</li><li>4. Added functionality to the existing react components as per the requirement</li><li>5. Identified the API's and used them to fetch the data</li><li>6. Filtered the data required data from the data fetched by API</li><li>7. Built the Responsive and Interactive Web Page</li></ol>

## **[3] E-commerce Website:**

Duration	10 Days
Libraries	ReactJS
Tools	VS code
Description	The primary goal of this project is to deliver a fully functional e-commerce website that offers a seamless shopping experience to users, ensures secure transactions, and provides an intuitive interface for both customers and administrators.
Responsibilities	<ol style="list-style-type: none"><li>1. Identified the required React Package</li><li>2. Made required changes in the package as per the requirement</li><li>3. Designed the UI for Web Page and Built the same using the React packages</li><li>4. Added functionality to the existing react components as per the requirement</li><li>5. Identified the API's and used them to fetch the data</li><li>6. Filtered the data required data from the data fetched by API</li><li>7. Built the Responsive and Interactive Web Page</li></ol>

## **[4] Weather App:**

Duration	7 Days
Language	JavaScript
Tools	VS code
Description	Dynamic and user-friendly weather application to provide real-time weather forecasts and information
Responsibilities	<ol style="list-style-type: none"><li>1. Created The structure of the app using HTML</li><li>2. Styled the App using CSS</li><li>3. Fetched the API's required for the weather forecasting</li><li>4. Added functionality using JavaScript</li></ol>

## **Other Certifications:**

Completed the value-added course on Artificial Intelligence(AI) & Machine Learning(ML) with TensorFlow 2.0, Organized by the RAISE Centre of Excellence, AIC RAISE supported by ATAL Innovation Mission, NITI Aayog, Govt of India during 2021-2022.