

SVKM's NMIMS University  
Mukesh Patel School of Technology Management & Engineering  
Department of Computer Engineering  
**B Tech. Integrated**

**Industry Internship Fortnightly Report**

<b>Roll no.: C026</b>	<b>Name: Anirbaan Ghatak</b>
<b>Company Name: E-Revbay Pvt. Ltd.</b>	<b>Project Name: Car Pe Loan, TMCC</b>
<b>Internal Mentor Name: Supriya Agrawal</b>	<b>Company Mentor Name: Mohit Vora</b>
<b>Week No: 7-8</b>	<b>Dates: 13/2/2022 to 27/2/2022</b>

<b>Sr. no</b>	<b>Date</b>	<b>Day</b>	<b>Task Allocated</b>	<b>Task Completed</b>	<b>Learning and Findings</b>
1	13-02-2023	Monday	Test My Card Development	<ul style="list-style-type: none"> <li>Data segregation and data cleaning for recommendation logic of the selected credit cards.</li> <li>Discussed different parameters for recommendation</li> </ul>	Normalization is crucial for preparing data for comparison in recommendation engines. By performing data segregation and cleaning, identifying relevant parameters, normalizing the data, helps in improving recommendation accuracy.
2	14-02-2023	Tuesday	Test My Card Development, Car Pe Loan development, Discussion on the Front-End design	<ul style="list-style-type: none"> <li>Contributed to building recommendation logic based on rewards, welcome bonus, and joining fees</li> <li>Logic and the concept behind Car Pe Loan was understood, explored indianbluebook, orangebookvalue and similar websites for finding valuation of used cars</li> <li>Reviewed the first version of the built logic, along with proposed modifications to the TMCC wireframe flow, and outlined the subsequent steps to be taken for the TMCC</li> </ul>	Learned that understanding the domain and identifying relevant parameters are crucial when building a recommendation system. Familiarity with online tools and collaborative efforts in reviewing and modifying an initial algorithm are also essential for effective results. Additionally, effective communication skills are important in conveying technical concepts in a clear and concise manner when working in a team on a technical project
3	15-02-2023	Wednesday	Car Pe Loan development.	<ul style="list-style-type: none"> <li>Web scraping for finding market value of the car</li> <li>Observed request and response of ScoreMe API for gathering vehicle information.</li> </ul>	Selenium (python module) used for web-scraping and automation - XPath used for gathering information  Postman used for analyzing request - response of API and understanding the results.

Sr. no	Date	Day	Task Allocated	Task Completed	Learning and Findings
4	16-02-2023	Thursday	Car Pe Loan development	<ul style="list-style-type: none"> <li>Searched for websites that provide used car prices and attempted to web scrape them for obtaining accurate market values of the cars</li> </ul>	Searching for websites that offer used car prices and trying to extract the data using web scraping techniques, I learned how to obtain accurate data by being persistent and paying close attention to details. I also learned how to overcome the difficulties of web scraping and acquire valuable skills in data acquisition. This experience showed me how data can provide helpful information for making decisions and provided me with insights into the complexities of web scraping.
5	17-02-2023	Friday	ScoreMe API integration (Car Pe Loan), Car Pe Loan development	<ul style="list-style-type: none"> <li>Using ScoreMe API with python for fetching car details from Registration number.</li> <li>Solutions for issues in web scraping discussed, explored alternative methods for web scraping, API integration with web scraping logic</li> </ul>	API request response concepts learnt. Python integration for API calls implemented. Selenium Python used for web scraping, documentation of selenium studied for fixing logic.
6	18-02-2023	Saturday	Car Pe Loan development	<ul style="list-style-type: none"> <li>Using fetched information from car websites for finding average valuation, maker, model, and other important details used to filter results. Average price of Car found across website</li> </ul>	Learned about the importance of market survey and to filter and obtain important details such as the average valuation, maker, model, and price of cars across multiple websites.
7	20-02-2023	Monday	Car Pe Loan	<ul style="list-style-type: none"> <li>Analyzing completed data and consolidating it</li> <li>Discussion with Sunil Sir - implemented logic, requirements for CarPeLoan, Indianbluebook and orange book value explored</li> </ul>	Gained knowledge of financial concepts like car valuation in correlation with loan on existing car and loan for car purchase
8	21-02-2023	Tuesday	Discussion - Car Pe Loan	<ul style="list-style-type: none"> <li>Discussion with Mohit Sir about progress so far, logic for depreciation of car, comparison of used car value across various sites.</li> </ul>	Understood logic behind deriving depreciation of cars. Explored various used car valuation sites.

Sr. no	Date	Day	Task Allocated	Task Completed	Learning and Findings
9	22-02-2023	Wednesday	Car Pe Loan development	<ul style="list-style-type: none"> <li>Web scraping for used car valuation sites was started for development</li> <li>Reviewing the progress so far for Test My Credit-Card and Car Pe Loan.</li> <li>Started Web Scraping of Carwale used Car valuation tool</li> </ul>	Reviewed progress so far for Test My Credit-Card and Car Pe Loan, designed documentation and flow for Car Pe Loan elaborating project requirements.
10	23-02-2023	Thursday	Car Pe Loan development	<ul style="list-style-type: none"> <li>Carwale Car valuation tool scraped for valuation of cars - modules for form selection implemented, successful result achieved with test data.</li> </ul>	Web scraping was used to obtain car valuations from Carwale Car valuation. Explored python selenium modules for drop down selection
12	25-02-2023	Saturday	Car Pe Loan Progress Review	<ul style="list-style-type: none"> <li>Data gathering for different makes and model from different sources to perform market survey and understand the difference in valuation across different platforms</li> </ul>	Conducting market surveys by gathering data from various sources helped in understanding the difference in car valuations across different platforms.

### Summary of Learnings:

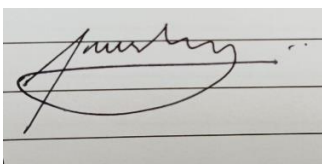
This project has allowed me to gain extensive experience in several areas, including data cleaning, data segregation, web scraping, and API integration. By performing data segregation and cleaning, identifying relevant parameters, normalizing the data, and building recommendation logic based on rewards, welcome bonuses, and joining fees, I have learned the importance of understanding the domain and identifying relevant parameters when building a recommendation system. Collaborating with others to review and modify the initial algorithm.

Moreover, I have developed a better understanding of financial concepts such as car valuation, depreciation, and the correlation between loans and car purchases. By exploring various used car valuation sites, conducting market surveys, and gathering data from various sources, I learned how to filter and obtain important details such as the average valuation, maker, model, and price of cars across multiple websites.

In addition to technical skills, this project has also taught me the importance of effective communication when working in a team. It has allowed me to develop valuable collaboration skills, effectively convey technical concepts in a clear and concise manner, and learn the importance of documentation and outlining subsequent steps. Overall, this project has provided me with a wealth of knowledge and experience in data acquisition and team collaboration, which will prove valuable in my future endeavors

**Number of Days Present in the Weeks: 13 of 15**

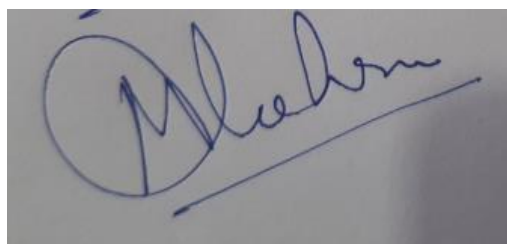
**Number of Days Absent in the Week: 2**



**Signature of the Student**

**Grades (Refer table 1 for marks distribution and level of achievement)**

Attribute	Marks
Progress in technical knowledge and expertise (10)	10
Motivation and Initiative (5)	4
Conduct and discipline (5)	5
Total (20)	19



**Signature of Industry Mentor with date:**

Table 1: Marks distribution and level of achievement

	Attribute	Far Exceed Expectation (8-10)	Exceed Expectation(6-8)	Met Expectation(4-6)	Below Expectation (3-4)
a	<b>Progress in technical knowledge and expertise (10)</b>	Candidate has shown exceptionally good interest and passion to learn new skills and gain knowledge	Candidate has shown moderately good interest and passion to learn new skills and gain knowledge	Candidate has shown good interest and passion to learn new skills and gain knowledge	Candidate has shown less interest and passion to learn new skills and gain knowledge
		<b>Far Exceeds Expectation (5)</b>	<b>Exceeds Expectation(4)</b>	<b>Met Expectations(3)</b>	<b>Below Expectations (2)</b>
b	<b>Motivation and Initiative (5)</b>	Candidate is exceptionally well motivated and takes initiative to learn	Candidate is well motivated and takes initiative to learn	Candidate is fairly motivated and takes initiative to learn	Candidate is very less motivated and rarely takes initiative to learn
c	<b>Conduct and discipline (5)</b>	Candidate is exceptionally well disciplined	Candidate is well disciplined	Candidate is fairly disciplined	Candidate is not disciplined