SVKM’s NMIMS University

Mukesh Patel School of Technology Management & Engineering Department of Computer Engineering

**B Tech. Integrated**

**Industry Internship Fortnightly Report**

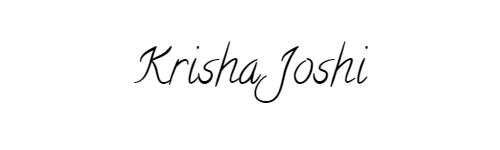
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| --- | --- |
| **Roll no.:** C026 | **Name:** Anirbaan Ghatak |
| **Company Name:** E-Revbay Pvt. Ltd. | **Project Name:** CarPeLoan, TestMyLoan + MyLoanBhai report integration |
| **Internal Mentor Name:** Ms. Supriya Agrawal | **Company Mentor Name:** Mr. Mohit Vohra |
| **Week No:** 7-8 | **Dates:** 27th February - 12th March, 2023 |

| **Sr. no** | **Date** | **Day** | **Task Allocated** | **Task Completed** | **Learning and Findings** |
| --- | --- | --- | --- | --- | --- |
| 1 | 27-02-2023 | Monday | * Car Pe Loan Market Survey * Finqy Mobile Application Redesign | * Found valuation of cars across different platforms for car valuation; explored automating IndianBlueBook website for used car webscraping valuation * Observed current mobile application screens to improve design and reduce user clicks | * Helped in improving efficiency in the data gathering process. * Identify areas for improvement in design and reduce the number of user clicks. |
| 2 | 28-02-2023 | Tuesday | * Car Pe Loan * Purchase Order Formatting | * Completed market survey and discussed the differences in car valuation range * Formatting PO from given details | * Learnt about analysis of market survey, which helped in deciding due course of action in the project * Observed basic details in purchase orders raised |
| 3 | 01-03-2023 | Wednesday | * TML + MLB (Integrating report analysis of TestMyLoan and MyLoanBhai) * Continued Car Pe Loan Market Survey | * Integrating MyLoanBhai and TestMyLoan - Discussing the flow for integrating output from MLB to input to TML and generate a detailed report | * User clicks and how it plays a role in acquiring users on websites * Reducing user input where possible * Generating reports focusing on Home Loan & Property Loan |
| 4 | 02-03-2023 | Thursday | * On Leave | | |
| 5 | 03-03-2023 | Friday | * Designed Presentation on progress of CarPeLoan * Integration of credit report (TML + MLB) | * Documented the process the team carried out in the initial stages of the CarPeLoan project. * Generated MyLoanBhai credit analysis report for dummy data to identify ongoing loans and develop integration logic | * Documenting the journey helped understand key success and identified challenges which helped in further development. * Analyzed credit analysis report of dummy data, gained insights on different kinds of loans and their rate of interests, concepts of top-up |
| 6 | 04-03-2023 | Saturday | * TestMyPolicy Automation | * Understood requirements of the team for automating an updation process in the backend database currently done manually * Explored websites shared for automation and web scraping; documented limitations | * Understanding requirements and identifying key limitations helps in exploring alternative solutions, saving time. |
| 7 | 06-03-2023 | Monday | * Integration of credit report (TML + MLB) * FinQy Mobile App - redesign | * Analysed credit report of dummy data, to build logic of a better TestMyLoan Report * Discussion of redesign of existing mobile application. Started designing wireframes in figma | * Understood various aspects of an Equifax Credit Report with emphasis on Home Loan. |
| 8 | 07-03-2023 | Tuesday | * Integration of credit report (TML + MLB) | * TestMyLoan existing reports generated to draw difference between credit report and calculated report * Fetched Equifax report to draw these differences | * Studied more in detail about Home Loan and the details available in Equifax report |
| 9 | 08-03-2023 | Wednesday | * FinQy Mobile App - Redesign * Partner Verification | * Ideated over splash screen * Verifying details of partners in the database using OCR and automation to verify important documents. * Developed a flow and selenium-python program for the same. | * OCR and AI builder tools explored for accuracy of text recognition in documents * Selenium-Python used for web automation |
| 10 | 09-03-2023 | Thursday | * Partner Verification | * Explored Microsoft Graph API - for integrating OneDrive and automating detecting files uploaded using Python. Found challenges hence switched to different methods. * Cloud flow in Microsoft PowerAutomate designed with AI builder tools for text recognition | * Microsoft PowerAutomate was explored as a tool. Learnt about cloud flows and their triggers as well as PowerAutomate AI Builder. |
| 11 | 10-03-2023 | Friday | * Partner Verification | * Extracted Text from documents using the cloud flow designed. * Encountered errors and challenges, fixed them and successfully extracted text for 948 files. | * Debugging of cloud flows, time and efficiency in cloud flows * Connecting cloud flows with other Microsoft Applications |
| 12 | 11-03-2023 | Saturday | * On Leave | * Completed RPA on any remaining Partner Documents |  |
| 13 | 13-03-2023 | Monday | * Partner Verification | * Worked on logic to clean up extracted text, identify, and store different details for comparison with details in Excel. | * Python for data cleanup and analysis was explored - learnt pandas library and regex for different value extractions. |

**Summary of Learnings:**

In the course of these two weeks, I learned a lot about financial concepts related to auto loans and loans on existing cars and the importance of creating awareness for them. The integration of MLB-TML credit report helped in understanding key details in credit reports with emphasis on Home Loans and Property Loans

On the technical end, I helped in the automation of a currently manual verification process and added efficiency by implementing methods, including Web Automation (Python) and Microsoft PowerAutomate tools, to carry out the same. Using Python libraries like Pandas and Regex, I learned more about handling and cleaning data and got better at it.

**Number of Days Present (27-02 to 13-03): 11** **Number of Days Absent: 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**) |  |
| **Motivation and Initiative (5)** |  |
| **Conduct and discipline (5)** |  |
| **Total (20)** |  |

**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** | **Progress in technical knowledge and**  **expertise (10)** | 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 |
|  |  | **Far Exceeds Expectation (5)** | **Exceeds Expectation(4)** | **Met Expectations(3)** | **Below Expectations (2)** |
| **b** | **Motivation and Initiative (5)** | 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** | **Conduct and discipline (5)** | Candidate is exceptionally well disciplined | Candidate is well disciplined | Candidate is fairly disciplined | Candidate is not disciplined |