Link to the Resume

Walk me through your resume/Tell me about yourself?

Hello, My name is Arihant Sukhlecha. I'm a senior undergraduate at IIT BHU Varanasi. My professional experience includes working as a Business Analyst Intern at OYO Rooms. I've also worked on independent projects related to Data Scraping and Analysis. During my stint here at IIT BHU, I've contributed to the wellbeing of my batchmates as a Student Parliamentarian and a Training and Placement Representative. As an aspiring analyst, I've trained myself in python, SQL, and MS Excel. I like to travel and read books.

Format for Intern and Project Writeups

Title - Purpose of The Project, an application where it would be useful, the motivation behind choosing this project
Tools and technology used? Why did you choose this tool
Explain your role and contribution to the project
Context out of the story
Task - Your role
Action - How you overcame challenges
Result - Quantify you success
Future Improvements

Intern - Oyo Hotel and Homes

I had the privilege of working at OYO as a Business Analyst Intern in their Supply Division. Because of the pandemic, my intern period was reduced to 4-1/2 weeks. So I was not given any single project. Instead, I was asked to contribute to whatever the supply team was doing at that time. They were working on Oyo secure at that time. Oyo was a rewarding program for property owners where they have to pay an upfront cost on their URNs, and they will get various benefits like demand prioritization, and they won't be subjected to force prepaid. My first individual challenge was to analyze sold out patterns for various properties under OYO Secure. I made a dashboard for the analytics team and the on-grounds calling team showing the properties most at risk of default. Apart from that, the dashboard also summarized the reasons for default for the property owners. I used python, SQL, and Google sheets for dashboard creation and automation and crontab for scheduling.

Besides that, I was also asked to help my manager in making the MVP recharge portal for the hotel owners. Before that, there were only three ways of recharge options available, NEFT, Cash, or Cheque. We used google app scripts to make the recharge portal and integrating it with Bill Desk payment gateway.

Apart from that, my third task was to analyze the effect of secure onboarding on Prepaid and postpaid GMV.

Problems(Intern)

What is Oyo secure? Oyo secure was a rewards program for hotel owners where they have to pay an upfront cost on their SRNs, and they get an upside in demand prioritization, and they won't be subjected to force prepaid.

What data was collected in making the dashboard?

1. Oyo Secure Wallet Balance
2. Closing Balance till now
3. Date of onboarding
4. Default Rating
5. Hold Amount
6. Unhold Amount
7. Property Status
8. Reasons for Sold Out

Why MVP?
Since it was a new initiative, I guess management wanted to test it with some properties before spending any technical resources on it.

How did you decrease the defaults using this?

A prioritized order helped the calling team direct their resources in the direction where it mattered most.

Project - TPC Auto verification

This was not really a project but a responsibility of mine as a training and placement representative. We have to verify all the details that a student wrote in his resume. The objective was to verify the SPI, CPI, and backlog details of all the students using an automated script. Before this script, we used to do all this manually, and it used to 4-5 hours to verify these details for a branch. I've used Selenium, BS4, and pandas libraries of python in this project.

I scraped the data from the academic portal using a selenium bot, which moves from page to page, collecting the details of the course undertaken by a student and the grades that he got in that semester. This data was directly used to verify the CPI and SPI of the student.

The main challenge and the most time-consuming part of this activity was to verify the backlog details. Over the course of 4 years, a student undertakes multiple courses, some multiple times. Keeping track of it manually was a difficult task. I used basic programming logic to calculate the total and active backlogs of a student.

Because of this project, I developed an interest in scripting and data scraping.

Problems(Project 1)

How is it that your college has an open academic portal?

No, they don't, I used an open link vulnerability that allows anyone to access the grades of any student with only an email address required. Later on, I informed the academic office of the vulnerability and it has since been fixed.(Not Really!!!!:)))

Project GOT

Last winter, I worked on an independent project based on the scripts of the infamous TV series Game of Thrones. One of the main reasons I chose this project was that It was a perfect mix of my professional and personal interests, namely data analysis and Game of thrones. So the project can be divided into three main chunks - Data Scraping Part, Data Cleaning Part & finally the analysis part. The main objective of the project was to find some details that we can't get by watching the series.
Things like who was the most important character, most frequent words said by these characters, the most positive and negative character in the whole series.

Let's talk about the first part - Data Scraping.
I extracted the raw data from a lyrics website called genius.com. Now I used the bs4 library of python to extract specific details about each episode like the Episode Number, Episode Title, Season Number, and the Dialogues. Dialogues were extracted as a single string of text in the form of [Name: Dialogue]. But there were several irregularities in these dialogues. By some, I mean thousands of them, considering there were 23,000 dialogues scraped.
Now comes the data cleaning part.

So here, I used list comprehensions to split the dialogues about the colon and stored it into a list of tuples. Some of the entries weren't dialogues, but they were just there to explain the context of the setting. I cleaned those using regular expressions and basic python splitting functions.
After some more cleaning, now came the final and the analysis part.
The analysis concluded with many expected results. Tyrion Lannister, Cersei Lannister, and Daenerys Targaryen came out to be the most important characters, followed by Jon Snow and Jamie Lannister.
Olena Tyrell, Tyrion, and Robb Stark came out to be the most lively characters. And Bronn, Theon, and Sansa came out to be the most negative ones. Apart from that, I generated word

clouds of the top 20 characters of GOT; Father and King was the most used word for most characters, Of course, HODOR was the most spoken word by HODOR. This idea came to me from a friend who used a similar technique on our branch WhatsApp group(Use Stories to make it believable)