**Experience:**

1.Are you familiar with data visualisation tools? How many years of experience do you have

with tools such as Power BI or Tableau in an academic setting or on personal projects?

Yes, I am familiar with data visualization tools such as Power BI and Tableau. In an academic setting or on personal projects, I have hands-on experience with Tableau. For instance, I worked on a project involving the **Olympics dataset**, where I visualized the location of each Olympic city using latitude and longitude coordinates. Additionally, I created a dashboard that displayed year-wise data for Olympic events, medals, and other related information.

This project helped me gain experience in creating interactive sheets, maps, and dashboards in Tableau, which are essential for presenting data in a clear and insightful way. I am comfortable with using these tools for creating various types of visualizations and dashboards to support data-driven decisions and analyses . currently work on Power BI

2. Are you familiar with Scikit-learn? How many years of experience do you have with building models using Scikit-learn in an academic setting or on personal projects?

I am familiar with Scikit-learn and have experience building machine learning models using its various algorithms. I am currently working on a capstone project titled "Real Estate Data Science Application," where I am applying various regression models to predict property prices. These models include:**Linear Regression** ,**Support Vector Regression (SVR)** ,**Random Forest Regressor** ,**Multi-layer Perceptron (MLP)** ,**Lasso Regression**,**Gradient Boosting Regressor**,**Decision Tree Regressor** ,**K-Nearest Neighbors (KNN) Regressor** ,**ElasticNet Regression**

For each model, I am conducting a thorough comparison and selection process, tuning the parameters to optimize performance. My background in mathematics helps me to approach the models from a mathematical perspective, ensuring a deeper understanding of how these algorithms work and how to effectively use them.

3. How many years have you been working with Python in an academic setting or on personal Projects ?

I have been working with Python for two years, both in academic settings and on personal projects. My experience includes working with Object-Oriented Programming (OOP) principles, Natural Language Processing (NLP), and cloud-based applications.

These projects helped me deepen my knowledge of Python programming, OOP design patterns, and using libraries such as Tkinter, Streamlit, and SQL for database handling.

4. How many years have you been working with Flask in an academic setting or on personal projects?

I have been working with Flask for a few years, primarily in personal projects and for academic purposes. One notable project involved **Exploratory Data Analysis (EDA)** using a **smartphones dataset**. The project included gathering and processing the dataset, then using Flask to build a web application that allowed users to interact with the data

**Education:**

**Do you have or are working towards Ph.D. or a Masters in Statistics/Math, Computer**

**Science, Finance/Economics, or related quantitative fields? Masters in Statistics/Math**

**Behavioural:**

**1.Are you willing to work on weekends?**

**Yes**

**2.What’s the most interesting thing about you that’s not on your resume?**

**The most interesting thing about me that’s not on my resume is my deep commitment to social work and mathematics education, which goes beyond my technical skills. During the COVID-19 pandemic, I took on the responsibility of creating a social work profile for my village, where I helped address community challenges and supported people in need. I managed various social initiatives, which gave me valuable experience in leadership and community management.**

**Additionally, my family has relied on me to handle many responsibilities, and I’ve taken on a significant role in managing household tasks, ensuring everything runs smoothly while also balancing my academic and professional commitments.**

**I'm also very passionate about research, particularly in data science and generative AI. I continuously engage with the latest advancements in these fields and plan to further deepen my expertise. Currently, I am preparing for the GATE exam, which has motivated me to stay focused on my studies while continuing to work on personal projects and contribute to my college curriculum. My blend of social responsibility, academic focus, and interest in cutting-edge technology makes me someone who thrives in both personal and professional growth.**

**3.** **What are your biggest strengths? What are your biggest weaknesses?**

**Biggest Strengths:**

**I am physically fit, which helps me maintain high energy levels and stay focused throughout the day. I am also a positive and disciplined person, which allows me to approach challenges with a constructive mindset and stay committed to my goals. Responsibility is important to me, and I take ownership of my work and tasks. I am constantly looking to develop new methods and improve processes, ensuring that I work more accurately and efficiently. I handle any situation with a calm and logical approach, allowing me to face daily problems with strength and clarity.**

**Biggest Weaknesses:**

**One of my weaknesses is related to exam writing and handwriting. I find it challenging to express my understanding as clearly in written form as I do in verbal communication. Additionally, I sometimes struggle to fully understand others' perspectives, particularly when they communicate in ways that are different from my own. However, I am actively working to improve these weaknesses by practicing my writing skills and enhancing my ability to empathize and connect with others more effectively.**

**4.** **What specifically attracted you to this particular position and what interests you most about our company?**

**Any work related to data science more familiar in Python and SQL currently work ML(machine learning)**

**5. Where are you currently located?**

Pune university boys hostel