

# Python Daily Notes

28/10/25

1) Tell me about yourself

→ Good morning / afternoon, and thank you for giving me this opportunity to introduce myself. My name is Swasthika Rai B S, & I am from Puttur (Mangalore). I'm a passionate and detail-oriented data analytics enthusiast who loves working with data to uncover insights and support data-driven decision-making. I recently completed my Bachelor's degree in Computer Science from VCET, where I developed a strong foundation in programming, databases, and analytical problem solving.

I have hands-on experience with tools like Power BI, Excel, SQL and Python. During my learning journey, I worked on several projects such as creating a Power BI dashboard to analyze retail sales performance across cities and product categories, and another to study the impact of COVID-19 on students' lifestyle and stress levels. These projects helped me strengthen my skills in data cleaning, transformation, visualization, and storytelling, while also deepening my understanding of real-world data challenges.

I'm someone who enjoys solving complex problems, identifying patterns, and transforming raw data into meaningful insights. I'm continuously learning

new technologies and expanding my knowledge in data science and artificial intelligence.

My goal is to begin my career as a Data Analyst, gain practical experience through real world projects, and eventually grow into a Data Scientist or AI developer, where I can apply advanced analytics and machine learning to create intelligent & impactful solutions with my curiosity, dedication, & passion for technology. I'm confident that I can make a valuable contribution to your organization.

2. Why did you choose a career as in Data Analytics or Data Science?

→ I choose a career in Data Analytics and Data Science because I've always been curious about how things work and why certain patterns occur.

I enjoy working with numbers, solving problems, and turning data into meaningful insights that support smarter business decisions. This field allows me to combine logic, creativity & technology helping organizations make informed choices based on facts rather than assumptions.

What excites me most about data science is its ability to go beyond analysis using techniques like machine learning & predictive modeling.

to forecast trends & create best solutions. It's a field that keep evolving with new tools & technologies, which motivates me to keep learning & improving. I'm passionate about using data to drive innovation, optimize performance, and make a real impact through my work.

③ What do you know about our company and why do you want to work here?

From my research, I understand that your company is highly data-driven and focuses on innovation, continuous improvement, and customer satisfaction. I really admire how your organization uses analytics to make informed business decisions and drive impactful results. The company's culture of learning, collaboration aligns perfectly with my creativity, and own values & career goals. I want to work here because it offers the right environment to apply my analytical & visualization skills to real world challenges, learn from experienced professionals, & contribute to meaningful projects that create value. Being part of such a forward-thinking & innovative team would also help me grow both personally & professionally in the field of data analytics & data science.

4. Describe a time when you faced a challenge in

a project and how you handled it.

→ In one of my PowerBI projects, I faced a major challenge with inconsistent & incomplete data collected from multiple sources. Some columns had missing values, others had mismatched formats, which made it difficult to build accurate visuals. Instead of rushing, I took a structured approach. I used Power Query to clean, transform & standardize the data, & crossverified it with Excel to ensure accuracy. This process took time, but it taught me the importance of maintaining data quality before visualization. Once I completed the cleaning process, the final dashboard turned out accurate, insightful, & visually clear. Through this experience, I learned to stay patient & focused even when handling messy data. It strengthened my problem solving & data preparation skills, giving me the confidence to tackle complex challenges with accuracy & efficiency.

⑤ How do you handle tight deadlines or pressure at work?

→ When facing tight deadlines or work pressure,

I focus on planning, prioritization, & time management. I usually start by listing all tasks, breaking them

into smaller steps, & identifying which ones are most critical to meet the objective. I make sure to stay calm & focused, as stress can lead to mistakes. If needed, I communicate with my team or supervisor to align expectations & ensure I'm on the right track. I believe that working smart under pressure requires discipline and clarity, & I always make sure the quality of my work isn't compromised, even when timelines are challenging. In such situations, I maintain a positive mindset & view pressure as an opportunity to enhance my efficiency & problem-solving skills. This helps me stay composed, focused, & consistently deliver quality results even in demanding work environments.

- ⑥ How do you explain complex data insights to non-technical people?
- I focus on simplifying technical terms & presenting the information in a clear & relatable way. I use dashboards, visuals like charts, graphs & interactive dashboards to make data easier to understand and more engaging. Instead of diving into complex formulas or models, I concentrate on explaining what the insight actually means & how it impacts business decisions. I try to connect the data to real world

Scenarios or relatable eg's so that the audience can see its relevance & importance. I also pay attention to the audience's background - for eg, when talking to marketing or sales team, I highlight insights that align with their goals & metrics. My main goal is to tell a story with the data, showing the problem, the analysis, and the outcome in a logical flow. This way, even non-technical stakeholders can clearly understand the findings, make informed decisions, & feel confident in the value data brings to the organization.

7). Describe a situation where your analysis or recommendation made a positive impact.

→ In my retail sales analysis project, I explored data from different product categories, regions & customer segments to identify performance patterns. During this analysis, I discovered that a particular product category had high-profit margins but low visibility because it wasn't being promoted effectively. Based on the finding, I recommended increasing promotional efforts & marketing focus on that category to boost awareness & sales. I supported my recommendations with data.

visualizations in Power BI, showing clear comparisons of sales trends & potential growth opportunities. This suggestion was later included in my final presentation, demonstrating how targeted campaigns could help maximize revenue & improve overall business performance. Even though it was an academic project, it gave me a real sense of how data driven insights can shape strategic decisions. It also strengthened my confidence in analyzing data critically, presenting findings clearly, & providing actionable recommendations that can create a meaningful business impact.

- Q How do you handle feedback or criticism?
- I see feedback as a valuable opportunity to learn & grow, rather than something negative. Whenever I receive feedback, I listen carefully without taking it personally, reflect on the points shared, & identify how I can improve. If I need more clarity, I ask follow up questions to fully understand what can be done better and how I can apply those suggestions in my future work. I believe feedback is an essential part of professional growth; it helps me refine my skills, improve my approach, & deliver better results each time. I also make it a habit

to note down feedback and track my progress so I can see down how I've improved over time. Accepting constructive criticism with a positive mindset has helped me become more confident, open minded, and adaptable. For me, every piece of feedback whether from a mentor or supervisor is a chance to move one step closer to becoming the best version of myself, both personally & professionally.

Q) what are your short-term and long-term career goals?

→ In the short term, my goal is to begin my career as a Data Analyst, where I can apply my skills in Power BI, SQL, Excel and data visualization to solve real-world business problems & gain hands-on industry experience. I want to work on projects that allow me to understand how data supports decision making & helps businesses grow. I'm eager to keep learning new tools & techniques, improve my analytical thinking, & develop strong communication skills to explain insights clearly to both technical & non-technical teams. In the long term, I aspire to grow into a data scientist or AI developer, where

I can work on advanced analytics, predictive modeling, and machine learning projects that drive innovation and strategic decisions. I also see myself taking on leadership responsibilities - mentoring others, managing projects, and contributing to building a strong data driven culture within the organization. Ultimately, my goal is to become a professional who not only works with data but also turns it into meaningful stories & impactful business solutions.

- 10) what motivates you to do your best work?
- seeing my work create a measurable impact motivates me. When my analysis helps solve a business problem, uncovers a hidden pattern, or supports better decision making, it gives me a strong sense of satisfaction and purpose. I enjoy knowing that my efforts contribute to meaningful results & help the team or organization grow. I'm also deeply motivated by continuous learning - exploring new tools, technologies, & techniques keeps my work exciting & helps me stay ahead in a fast-evolving field like data analytics. Facing new challenges pushes me

To think creatively, improve my problem solving skills, and keep growing both personally and professionally. Most importantly, I'm driven by the desire to deliver quality work, exceed

expectations, & constantly become a better version of myself with every project I

take on.