

Here's an analysis of the candidate's resume against the Data Analyst job description:

ATS Compatibility Score

Job Description Keywords Identified:

* **Responsibilities:**

- * Collect, clean, and analyze data
- * Python, Excel, SQL (for data analysis)
- * Build dashboards
- * Visual reports
- * Power BI, Tableau (for dashboards/reports)
- * Identify KPIs and trends
- * Collaborate with business teams
- * Recommend actionable insights

* **Required Skills:**

- * SQL
- * Excel
- * Python (Pandas, NumPy)
- * Tableau, Power BI (visualization tools)
- * Strong analytical skills
- * Communication skills
- * Data modeling (plus)
- * ETL pipelines (plus)

Candidate Resume Matches:

- * ****Collect, clean, and analyze data:**** Implied by "Implemented data preprocessing, model training, and performance evaluation using real-world datasets," "analyzed data," and general data science profile.
- * ****Python:**** Explicitly listed under "Languages" and "Frameworks & Libraries" (Pandas, NumPy). Used in "Machine Learning Intern" experience and projects.
- * ****Excel:**** Explicitly listed under "Required Skills."
- * ****SQL:**** Explicitly listed under "Languages."
- * ****Build dashboards/Visual reports:**** Not explicitly mentioned as "building dashboards" or "visual reports." However, "Power BI or Tableau" are the tools for this.
- * ****Power BI/Tableau:**** Not explicitly listed in "Technical Skills" or "Experience/Projects."
- * ****Identify KPIs and trends:**** Implied by "derive insights from business data and drive strategic decisions" in the job description, but not explicitly stated as a responsibility or skill in the resume.
- * ****Collaborate with business teams:**** Not explicitly mentioned.
- * ****Recommend actionable insights:**** "Collaborate with business teams to recommend actionable insights" is a core responsibility from the job description. The candidate states their profile is about "deriving insights" but doesn't explicitly link it to business recommendations.
- * ****Strong analytical skills:**** Explicitly listed under "Required Skills" in the job description. The candidate's "Profile" mentions "data analytics" and their projects and experience demonstrate analytical thinking.
- * ****Communication skills:**** Explicitly listed under "Required Skills" in the job description. Not explicitly mentioned in the resume, but the resume itself is a form of communication.
- * ****Pandas, NumPy:**** Explicitly listed under "Frameworks & Libraries."
- * ****Data modeling (plus):**** Listed as a "Concept" in Technical Skills.
- * ****ETL pipelines (plus):**** Not explicitly mentioned.

****Matched Keywords:**** SQL, Excel, Python, Pandas, NumPy, analytical skills (implied strongly), Data modeling (plus).

****Total Job Description Keywords (core requirements):**** 16 (excluding pluses and general terms like "derive insights," "drive strategic decisions" as they are goals rather than direct skills/responsibilities).

- * Data collection/cleaning/analysis
- * Python
- * Excel
- * SQL
- * Build dashboards
- * Visual reports
- * Power BI
- * Tableau
- * Identify KPIs/trends
- * Collaborate with business
- * Recommend actionable insights
- * Analytical skills
- * Communication skills
- * Pandas
- * NumPy
- * (Data modeling & ETL are bonuses)

****Total Matched Keywords (explicit/strong implication):**** 8

- * Python
- * Excel

- * SQL
- * Pandas
- * NumPy
- * Data analysis (implied by preprocessing, model evaluation, AI/ML projects)
- * Analytical skills (implied by projects/profile)
- * Data modeling (listed as a concept)

****ATS Compatibility Score: $(8 / 16) * 100\% = 50\%$ ****

This score is relatively low, primarily due to the lack of explicit mention of visualization tools (Power BI, Tableau) and the specific tasks of dashboard building, KPI identification, and business collaboration/recommendations.

Missing Skills & Areas for Improvement

Based on the job description, the following skills/experiences are either missing or not clearly highlighted in the resume:

1. ****Power BI / Tableau Experience:**** This is a core requirement for building dashboards and visual reports. It's completely absent from the resume.
2. ****Dashboard and Visual Report Building:**** While Python skills for analysis are present, the specific **application** of these skills to build business-oriented dashboards and visual reports is not mentioned.
3. ****KPI Identification and Trend Analysis:**** While the resume shows strong analytical capabilities

in ML/AI, it doesn't explicitly mention experience in identifying business KPIs or analyzing trends to derive strategic insights. This is a key data analyst responsibility.

4. ****Collaboration with Business Teams:**** The resume does not indicate experience in collaborating directly with non-technical business stakeholders to translate data into actionable insights.

5. ****Recommendation of Actionable Insights:**** While the candidate mentions deriving insights, the job description emphasizes **recommending actionable insights** to drive strategic decisions. This business-oriented outcome is not clearly articulated.

6. ****Communication Skills:**** Although the candidate likely possesses these, "Strong communication skills" are explicitly requested in the job description and are not listed under "Technical Skills" or demonstrated through specific examples in the bullet points.

7. ****ETL Pipelines:**** While a "plus," it's not mentioned. Given the candidate's strong technical background, incorporating this if they have experience would be beneficial.

8. ****Excel for Data Analysis beyond basic use:**** While Excel is listed, the responsibilities emphasize **analyzing data** using Excel, implying more advanced functions, pivot tables, etc. The resume doesn't specify the depth of Excel usage.

Final Remarks

Nhowmitha has a strong technical foundation, particularly in Python, ML, and AI, which is impressive for a student. The resume showcases robust project experience and a commitment to continuous learning through certifications and academic excellence.

****Strengths:****

- * **Strong Python skills:** Explicitly lists Pandas, NumPy, and uses Python in projects and internship.
- * **Proficiency in SQL and Excel:** Directly addresses two key requirements.
- * **Analytical Acumen:** Demonstrated through complex ML/AI projects and data preprocessing tasks.
- * **Data Modeling:** Listed as a concept, showing foundational knowledge.
- * **Certifications:** Shows initiative and dedication to learning data analysis and ML.

Areas for Improvement (to better align with Data Analyst role):

1. **Tailor to Data Analyst Role:** The current resume leans heavily towards AI/ML and general data science. To fit a "Data Analyst" role focused on business insights, it needs to be tailored.
2. **Add Visualization Experience:** This is the biggest gap. If Nhowmitha has *any* experience with Power BI, Tableau, even basic visualizations in Python (Matplotlib, Seaborn, Plotly) used for *business reporting*, it should be prominently featured. If not, gaining this experience should be a priority.
3. **Quantify Business Impact:** For projects and experience, focus on how analysis led to insights that could drive decisions, rather than just technical implementation. For example, instead of "Developed ML models...", consider adding "Developed ML models resulting in X% improvement in predictive understanding, enabling Y strategic decisions."
4. **Highlight Business-Oriented Analysis:** Emphasize instances where data was used to understand business performance, identify trends, or solve specific business problems.
5. **Explicitly Mention Soft Skills:** Add "Strong analytical and communication skills" to a "Skills" section, and if possible, weave examples of communication (e.g., "Presented findings to...") into project or experience descriptions.

6. ****Refine Project Descriptions:**** While the AI projects are impressive, for a Data Analyst role, describe **how data was analyzed** to derive insights, and what **business implications** those insights had. For instance, in "News Summarizer," did the summarization lead to better understanding of news trends or content consumption patterns?
7. ****Consider an "Objective" or "Summary" Statement:**** Given the "Aspiring AI and Data Science student" profile, a summary could help redirect the focus towards "seeking a Data Analyst role to leverage analytical skills, Python, SQL, and [new visualization skills] to drive strategic business decisions."

By addressing the lack of specific visualization tool experience and re-framing the existing experience with a stronger focus on business insights and communication, Nhowmitha's resume would be significantly more competitive for a Data Analyst position.