

This resume shows a strong foundation in AI and Machine Learning, which is a great starting point for a Data Analyst role. However, to enhance its relevance specifically for a Data Analyst position (as opposed to an ML Engineer or Data Scientist), the focus needs to shift from **building intelligent systems** to **deriving business insights and driving strategic decisions** using data.

Here's a breakdown of suggested skill improvements and missing keywords, organized by section:

General Strategy:

The current resume leans heavily into AI/ML/NLP/Computer Vision **model development**. While these skills are valuable, the job description for a Data Analyst emphasizes ***business understanding, KPI identification, trend analysis, dashboard creation, and actionable recommendations***. The key is to reframe existing experience and projects to highlight the **data analysis** aspects that contributed to the AI/ML work, and to explicitly add data analyst-specific tools and concepts.

Section-by-Section Improvements:

1. Profile:

* ****Current:**** "Aspiring AI and Data Science student passionate about machine learning, NLP, and computer vision. Experienced in building intelligent systems and working on real-world applications.

Skilled in Python, TensorFlow, and data analytics."

- * **Improvement:** Shift focus from AI/ML *passion* to data analysis, insights, and strategic decision-making.

- * **Suggested Revisions:**

- * "Aspiring Data Analyst and AI/Data Science student passionate about transforming complex data into actionable insights to drive strategic business decisions. Skilled in data analysis, visualization, Python (Pandas, NumPy), SQL, and Excel, with foundational experience in machine learning and real-world data applications."

- * *Or (more concise):* "Proactive and analytical Data Science student with expertise in data collection, cleaning, analysis, and visualization (Python, SQL, Excel). Eager to leverage data-driven insights to solve business challenges and support strategic decision-making, with a strong foundation in ML concepts."

- * **Missing Keywords to Add:**

- * "Actionable insights"

- * "Strategic decisions"

- * "Business data"

- * "KPIs" (if space allows)

2. Experience: Ether Technology - Machine Learning Intern (June 2025 - July 2025 | Remote)

- * **Current Bullet 1:** "Developed ML models for disaster management systems, enhancing predictive understanding and emergency response efficiency."

- * **Improvement:** Focus on *what data was analyzed* and *what insights were derived* before the ML model was built or how the model's performance was evaluated through data analysis.

- * **Suggested Revisions:**

- * "Analyzed large datasets of historical disaster events and response metrics using Python (Pandas) and SQL to identify key patterns and inform features for ML models, enhancing predictive understanding and efficiency."

- * "Collaborated with stakeholders to define data requirements and critical metrics for disaster management systems, leading to more robust ML model development."

- * **Current Bullet 2:** "Implemented data preprocessing, model training, and performance evaluation using real-world datasets."

- * **Improvement:** Emphasize the *cleaning, analysis, and evaluation* more directly related to data analyst responsibilities.

- * **Suggested Revisions:**

- * "Performed extensive data cleaning, transformation, and exploratory data analysis (EDA) on real-world datasets to ensure data quality and uncover key trends relevant for model training."

- * "Evaluated model performance using statistical methods and visualized key metrics to communicate insights on model accuracy and areas for improvement to stakeholders."

- * **Current Bullet 3:** "Strengthened expertise in analytics, Python, and applied AI."

- * **Improvement:** Make "analytics" more specific to the DA role.

- * **Suggested Revisions:**

- * "Developed strong analytical problem-solving skills, leveraging Python for data manipulation and statistical analysis to extract meaningful insights from complex datasets."

- * **Missing Keywords to Add (in descriptions):**

- * "Exploratory Data Analysis (EDA)"

- * "Data quality"

- * "Statistical methods"

- * "Key trends"
- * "Stakeholders" (for collaboration)
- * "Metrics"

3. Projects:

* **General Improvement:** For each project, reframe the description to highlight the *data analysis* process, *insights derived*, and *impact on decision-making* or *system design* rather than just the ML implementation.

* **AI Verse - All-in-One AI Tool App:**

* **Current:** "Developed a web-based AI platform integrating Instagram caption generation, voice cloning, and personalized song recommendation features. Leveraged ML APIs for text generation, emotion-based music prediction, and speech synthesis."

* **Suggested Revision (focus on DA aspects):**

* "Conducted user behavior data analysis and market research to identify key features and user needs for a web-based AI platform. Analyzed dataset distributions for personalized song recommendations, improving user engagement based on data-driven insights." (This is an example; you'd need to genuinely have done this or something similar.)

* **Drowsiness Detector Integrated with Calling System (Twilio):**

* **Current:** "Built a real-time system to detect driver drowsiness using computer vision and ML, triggering automated alert calls via Twilio API."

* **Suggested Revision (focus on DA aspects):**

* "Analyzed sensor data and physiological metrics to identify key indicators of driver drowsiness, informing the design and threshold parameters of the detection system. Monitored system performance data post-implementation to optimize alert triggers."

- * **News Summarizer with Voice Translation:**

- * **Current:** "Created a multilingual summarization system combining NLP, translation, and text-to-speech technologies for accessibility."

- * **Suggested Revision (focus on DA aspects):**

- * "Performed data collection and cleaning on diverse textual datasets for training multilingual summarization models. Analyzed linguistic patterns and translation accuracy metrics to enhance system performance and accessibility."

- * **Missing Keywords to Add (in project descriptions):**

- * "User behavior data"

- * "Market research"

- * "Performance metrics"

- * "Optimization"

- * "Data-driven insights"

- * "User engagement"

4. Technical Skills:

- * **Languages:** Python, Java, SQL, HTML, CSS, JavaScript

- * **Excellent:** Python, SQL are critical and well-placed.

- * **Missing:** None explicitly from JD, but good to have a strong "Data Analysis" subheading.

- * **Frameworks & Libraries:** TensorFlow, Scikit-learn, NumPy, Pandas, React.js

- * **Excellent:** NumPy, Pandas are explicitly mentioned in the JD.

- * **Improvement:** For Data Analyst roles, add Python visualization libraries.

- * **Missing Keywords to Add:**
 - * `Matplotlib`
 - * `Seaborn`

- * **Tools:** Git, AWS, Twilio, Jupyter, VS Code

- * **Critical Missing Tools:**
 - * **`Power BI`** (Required)
 - * **`Tableau`** (Required)
 - * **`Excel`** (Required - can be listed under Languages or Tools, but explicitly called out for proficiency in JD)

- * **Consider Adding:**
 - * `Google Sheets` (often used by analysts)

- * **Concepts:** Machine Learning, Data Structures, Statistics, OOP

- * **Excellent:** Statistics is crucial for a Data Analyst.

- * **Critical Missing Concepts (from JD "plus"):**
 - * **`Data Modeling`**
 - * **`ETL Pipelines`**

- * **Other Highly Relevant Concepts to Add:**
 - * `Business Intelligence (BI)`
 - * `Key Performance Indicators (KPIs)`
 - * `Data Visualization (principles/best practices)`
 - * `A/B Testing` (if any exposure)
 - * `Predictive Analytics` (beyond just ML model building, understanding implications for business)
 - * `Root Cause Analysis`

5. Certifications:

- * **Current:** IBM Machine Learning Professional Certificate, Deloitte Australia ? Data Analytics Job Simulation, Deloitte Australia ? Technology Job Simulation, Data Analysis with Python ? freeCodeCamp (300 hours, hands-on), Big Data Hybrid Training ? IIT Hyderabad E-Cell 2K24-25
- * **Improvement:** Emphasize the "Data Analytics" and "Data Analysis with Python" certifications more by placing them prominently or ensuring their descriptions highlight DA skills.
- * **Missing Keywords:** None to add directly, but ensure the descriptions (if expanded) for these certifications use DA terms.

6. Achievements:

- * **Current:** Merit Scholarship for academic excellence., Participated in IIT Hyderabad Big Data Hybrid Event., Completed multiple industry-level simulations in ML and Data Analytics.
- * **Improvement:** Great.
- * **Missing Keywords:** None.

Summary of Key Keywords to Add/Emphasize:

- * **Tools:** Power BI, Tableau, Excel, Matplotlib, Seaborn
- * **Concepts:** Data Modeling, ETL Pipelines, Business Intelligence (BI), KPIs, Data Visualization, A/B Testing, Root Cause Analysis, Stakeholder Collaboration, Strategic Decision-Making, Actionable Insights.

* **Actions:** Collect, Clean, Analyze, Visualize, Report, Recommend, Optimize, Identify Trends.

By making these adjustments, Nhowmitha's resume will more directly address the requirements of a Data Analyst role, making her a more compelling candidate for the position.