

Resume Evaluation Report - AI/ML Engineer

Here's a comprehensive analysis of your resume for the **AI/ML Engineer** role:

1 Skills Found in Resume

Technical Skills:

- * Python
- * SQL
- * Prompt Engineering
- * GenAI Tools (Gemini, LlamaIndex)
- * Machine Learning
- * AI/ML & LLM Tools
- * Generative AI Frameworks
- * Vector Databases
- * Cloud Computing (NPTEL certified)
- * Internet of Things (NPTEL certified)
- * Full Stack Development (certified)
- * Explainable AI (XAI)

Soft Skills:

- * Problem Solving
- * Keen Interest / Passion (in AI, LLMs, building smart applications)
- * Application-oriented / Building-focused
- * Eagerness to learn / work on real-world projects

2 Required Skills for AI/ML Engineer

(Top 10-15 must-have skills for an entry-level AI/ML Engineer)

1. **Advanced Python Programming** (including libraries like NumPy, Pandas, Scikit-learn)
2. **Machine Learning Fundamentals** (Regression, Classification, Clustering, Feature Engineering, Model Evaluation)
3. **Deep Learning Frameworks** (TensorFlow, PyTorch)
4. **Neural Networks & Architectures** (CNNs, RNNs, Transformers)
5. **Data Preprocessing & Feature Engineering**
6. **SQL & Database Management**
7. **Version Control (Git)**
8. **Cloud Platforms** (AWS/Azure/GCP - familiarity with services like S3, EC2, SageMaker/Vertex AI)
9. **MLOps Concepts** (Model Deployment, Monitoring, Experiment Tracking, CI/CD for ML)
10. **Natural Language Processing (NLP)** & LLM Architectures (beyond basic prompt engineering)
11. **Containerization (Docker)**
12. **Statistical Modeling & Probability**
13. **Data Structures & Algorithms**
14. **Communication & Teamwork**
15. **Continuous Learning & Adaptability**

3 Skill Gap Analysis

Comparing your skills with the required skills for an AI/ML Engineer:

Missing Skills:

- * **Deep Learning Frameworks (TensorFlow/PyTorch):** Hard-critical skill
- * **MLOps Concepts (Deployment, Monitoring, CI/CD, Experiment Tracking):** Hard-critical skill
- * **Version Control (Git):** Moderate skill (While implied for any developer, explicit mention and demonstration are crucial)
- * **Containerization (Docker):** Moderate skill
- * **Advanced NLP/LLM Architectures & Libraries (e.g., Hugging Face):** Moderate skill (Beyond basic prompt engineering and LlamaIndex integration)
- * **Cloud Platform Specific Services (e.g., AWS SageMaker, GCP Vertex AI, Azure ML):**

Moderate skill

- * **Advanced Data Structures & Algorithms:** Moderate skill (Often assessed in technical interviews)
- * **Statistical Modeling & Probability (beyond academic coursework):** Beginner-friendly skill

4 Recommended Projects for the Target Role

Based on your missing skills, here are 3-5 project ideas to enhance your profile:

1. **End-to-End LLM Application with MLOps:**

* **Focus:** Integrate a Hugging Face Transformer model for a specific NLP task (e.g., summarization, text generation). Build an application around it.

* **Skills Addressed:** Deep Learning Frameworks (if using PyTorch/TensorFlow backend), Hugging Face, Docker, Cloud Deployment (e.g., on AWS EC2/GCP Cloud Run), basic MLOps (model versioning, API deployment).

* **Description:** Develop a full-stack web application that leverages a fine-tuned LLM (from Hugging Face) for a specific use case (e.g., AI writing assistant, chatbot). Containerize the model and application using Docker, deploy it to a cloud platform, and set up a basic CI/CD pipeline for model updates.

2. **Image Classification with Transfer Learning & PyTorch/TensorFlow:**

* **Focus:** Implement a computer vision project using a major Deep Learning framework.

* **Skills Addressed:** Deep Learning Frameworks (PyTorch/TensorFlow), Neural Networks (CNNs), Data Augmentation, Transfer Learning, Model Evaluation.

* **Description:** Develop an image classification system (e.g., for medical images, plant diseases) using a pre-trained CNN model (like ResNet or VGG) and fine-tune it with PyTorch or TensorFlow. Emphasize data preprocessing, augmentation techniques, and thorough model evaluation metrics.

3. **Real-time Anomaly Detection with Stream Processing & Cloud Integration:**

* **Focus:** Showcase MLOps, cloud services, and handling streaming data.

* **Skills Addressed:** MLOps (monitoring, deployment), Cloud Platform Specific Services (e.g., AWS Kinesis/GCP Pub/Sub, Lambda, Sagemaker Endpoints), Python, Data Structures & Algorithms (for efficient processing).

* **Description:** Design and implement a system to detect anomalies in streaming data (e.g., sensor data, network traffic). Deploy a pre-trained ML model (e.g., Isolation Forest, Autoencoder) as an endpoint on a cloud platform (AWS SageMaker or GCP Vertex AI) and integrate it with a streaming service to process data in near real-time, flagging anomalies.

5 Strengths & Weaknesses

Strengths:

- * **Strong Foundational Interest:** Clear passion for AI, LLMs, and building smart applications.
- * **Hands-on Experience:** Practical experience with Python, SQL, prompt engineering, and specific GenAI tools (Gemini, LlamaIndex).
- * **Relevant Project Experience:** Projects like RAG system, XAI, and Handwritten Text Recognition directly align with AI/ML domains.
- * **Certifications:** NPTEL certifications in Cloud Computing and AI/ML show commitment to formal learning.
- * **Achievements:** Demonstrated problem-solving ability and competitive spirit through Hackerrank 5-star rating and 2nd place in NASA Hackathon.
- * **Solid Academic Record:** Good CGPA in Computer Science and Engineering.

Weaknesses:

- * **Lack of Depth in MLOps:** Limited explicit experience or projects demonstrating model deployment, monitoring, or CI/CD pipelines.
- * **Missing Major DL Frameworks:** No explicit mention or projects using industry-standard Deep Learning frameworks like TensorFlow or PyTorch.
- * **Future-Dated Experience:** The "February 2025 - Current" internship is listed as future experience, which ATS and human recruiters will not count as current or past professional experience. This makes the resume appear to lack professional work experience.
- * **Brief Project Descriptions:** Projects lack detailed bullet points describing specific contributions,

technologies used in depth, challenges faced, or quantifiable outcomes/impact.

- * **No GitHub Profile:** A crucial element for AI/ML roles to showcase code, projects, and version control skills is missing.
- * **Broad Certifications:** While valuable, certifications like "Full Stack Development" and "Internet of Things" might dilute the focus on AI/ML unless directly tied to an AI/ML project or deployment.

6 ATS Score (0 100)

ATS Score: 60/100

What lowered the score:

- * **Future-Dated Experience:** The "February 2025 - Current" internship is a major red flag for an ATS. It interprets this as non-existent or future experience, effectively rendering the candidate without any listed professional work experience. This is the single biggest factor pulling the score down.
- * **Lack of Detail & Quantifiable Metrics:** Projects and experience lack specific bullet points detailing actions taken, technologies used, challenges overcome, and measurable results. ATS looks for these to match job description requirements.
- * **Missing Keywords for MLOps/Deep Learning Frameworks:** While AI/ML/LLM keywords are present, specific terms like "TensorFlow," "PyTorch," "Docker," "Kubernetes," "MLflow," "AWS SageMaker," "CI/CD" are largely absent, which are critical for many AI/ML Engineer roles.
- * **Absence of GitHub Link:** ATS can often parse links to professional profiles; not having a GitHub link means missing an opportunity to showcase practical skills.
- * **Formatting/Clarity:** While generally clean, "TECNICAL SKILLS" is a typo, and some sections could be more clearly categorized for ATS parsing (e.g., specific tools under "Skills").

7 Role Suitability (0 10)

Role Suitability: 6/10 (For an **Entry-Level** AI/ML Engineer role)

You demonstrate a strong foundational interest and initial hands-on experience in AI/ML, especially in the rapidly growing LLM space. Your projects show initiative and application of core ML concepts. However, the lack of verifiable professional experience (due to the future date), and gaps in MLOps, major deep learning frameworks, and detailed project execution, position you more strongly for entry-level positions, internships, or roles where significant on-the-job training is expected. You have excellent potential, but the resume needs to reflect more advanced and deployable skills for higher suitability.

8 Rewrite The Resume for the Job Role

Here's a cleaned, structured, and ATS-friendly rewrite using *only* the information provided:

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****SUMMARY****

Computer Science Engineering graduate with a strong interest in Artificial Intelligence and Large Language Models. Possessing hands-on experience with Python, prompt engineering, and GenAI tools like Gemini and LlamaIndex. Passionate about developing intelligent applications and eager to contribute to real-world AI projects.

****TECHNICAL SKILLS****

- * **Programming Languages:** Python, SQL
- * **AI/ML & LLM Tools:** Machine Learning, Generative AI Frameworks, Vector Databases, Prompt Engineering, Google Gemini, LlamaIndex, AI/ML & LLM Tools, Explainable AI (XAI)

- * **Cloud & APIs:** Cloud Computing, APIs
- * **Other:** Problem Solving, Internet of Things, Full Stack Development

EDUCATION

Bachelor of Technology in Computer Science and Engineering | CGPA: 8.08
Sreyas Institute of Engineering and Technology | 2020 2024

Telangana State Board of Intermediate Education | CGPA: 8.6
Urbane Junior College | 2018 2020

Telangana State Board of Secondary Education | CGPA: 8.8
Vaishnavi Olympiad School | 2019 2020

PROJECTS

- * **Retrieval-Augmented Generation (RAG) System**
 - * Engineered a RAG system leveraging LlamaIndex and Google Gemini 1.5 Flash to augment information retrieval and generation capabilities.
- * **False Positive Identification in Intrusion Detection using XAI**
 - * Implemented an Explainable AI (XAI) methodology to enhance the accuracy of intrusion detection systems by identifying and reducing false positives.
- * **Handwritten Text Recognition using Machine Learning**
 - * Developed a machine learning model for accurate recognition of handwritten text.

EXPERIENCE

Generative AI Intern
NexTurn | February 2025 Current
(Details of responsibilities are not provided in the original resume content.)

****CERTIFICATIONS****

- * Full Stack Development Certification (College)
- * NPTEL Certification on Cloud Computing
- * NPTEL Certification on Internet of Things
- * Student Training Programme on Artificial Intelligence and Machine Learning (IIIT Hyderabad)
- * Internship Certification of SRISHTI 2023-24 on Machine Learning

****ACHIEVEMENTS****

- * Secured 5-star rating in Hackerrank for Problem Solving and Python.
- * Secured 2nd place in NASA Space Apps 24Hrs Hackathon.