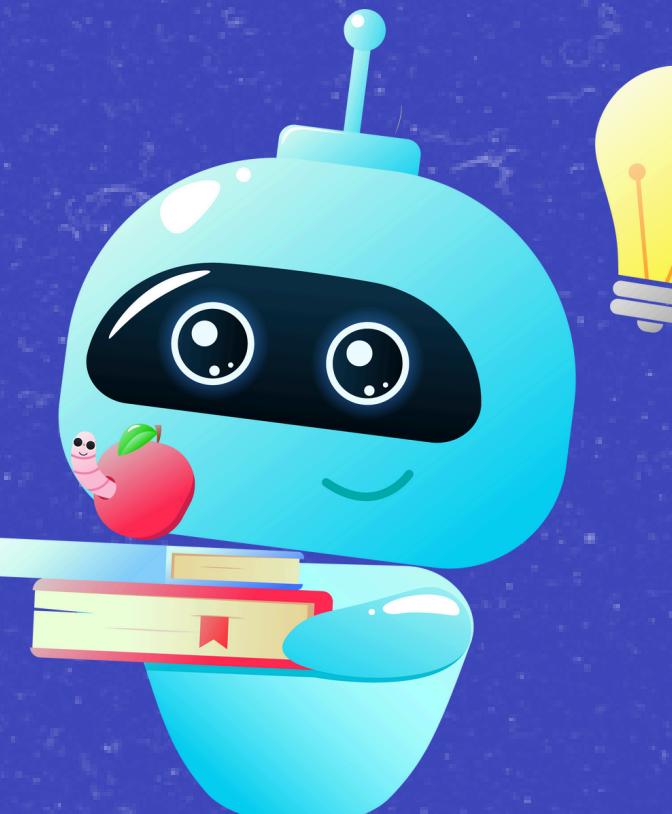
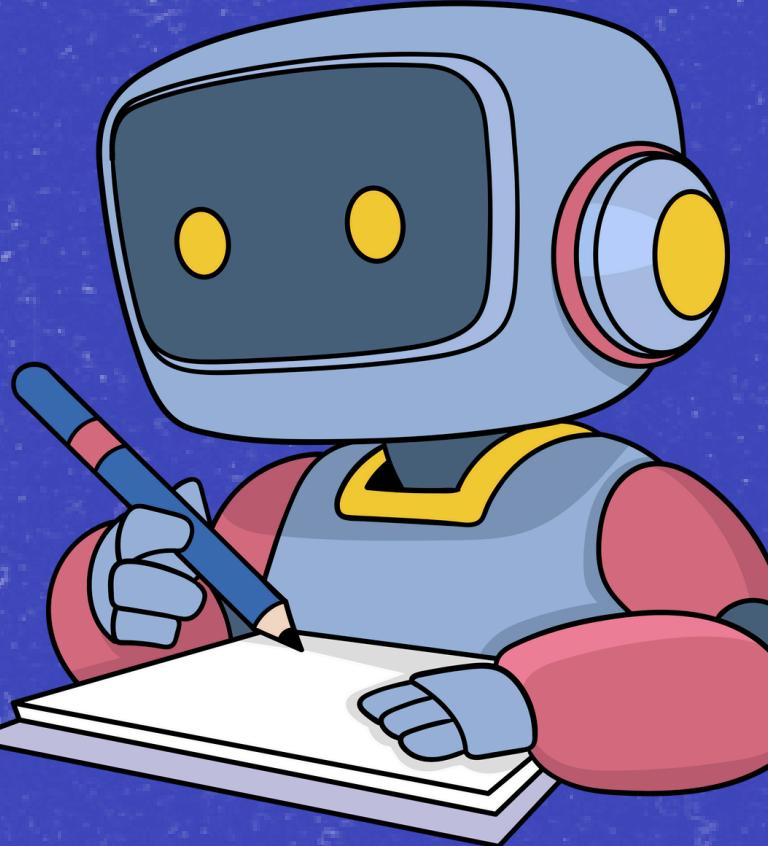




MACHINE LEARNING

Future Interns



INTERNSHIP LEARNING ROADMAP

Official Offer Letters
Issued to Selected
Candidates

Skill & Task Phase

Project Submission &
Review

Certification &
Career Access

Program Completion
& Verification

IMPORTANT INTERNSHIP GUIDELINES

Duration

Internship is valid only within the start and end dates mentioned in your Offer Letter. Work done outside this period will not be evaluated.

Domain Scope

Complete only tasks related to your assigned domain. Cross-domain submissions will not be accepted.

Certificate Eligibility

Minimum 2 completed tasks are required to receive the Internship Completion Certificate.

LoR Eligibility

Minimum 3 completed tasks are required for a Letter of Recommendation. Issued based on performance.

Learning Model

This is a self-directed internship. No formal training sessions are provided.

Flexibility

Self-paced with no fixed working hours, as long as tasks are completed within the internship period.



GITHUB REQUIREMENTS



- All tasks must be documented in a public GitHub repository for review and verification.
- For the Machine Learning track, use the track code: **ML**.
- Repository naming format: FUTURE_ML_TaskNumber
- Example: Task 2 → **FUTURE_ML_02**
- Submissions not following this format may not be considered for evaluation.





COMPLETION & SUBMISSION GUIDELINES

Submission Portal

- All completed tasks must be submitted only through the official Task Submission Portal.
- The portal will be shared around the mid-point of your internship month.
- Use your **CIN ID** (shared in your Offer Letter and email) to access and submit your work.
-

Programming Languages, Libraries & ML Frameworks

You may use any programming language, library, or framework suitable for your Machine Learning tasks.

Core Machine Learning Tools

- **Python** – <https://www.python.org>
- **Jupyter Notebook** – <https://jupyter.org>
- **VS Code** – <https://code.visualstudio.com>
- **GitHub** – <https://github.com>

ML & Data Libraries (Commonly Used)

- **NumPy** – <https://numpy.org>
- **Pandas** – <https://pandas.pydata.org>
- **Matplotlib / Seaborn** – <https://matplotlib.org> / <https://seaborn.pydata.org>
- **Scikit-learn** – <https://scikit-learn.org>

AI-Assisted & ML Productivity Tools

- ChatGPT / LLMs – <https://chat.openai.com> (For concept clarification, debugging, and experimentation ideas)
- Kaggle Notebooks – <https://www.kaggle.com> (For dataset exploration and baseline experimentation)
- GitHub Copilot – <https://github.com/features/copilot> (For faster coding and experimentation)

BUILDING YOUR PROFESSIONAL LINKEDIN PRESENCE

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Announcing Your Internship

- Share your official internship offer on LinkedIn to mark the start of your professional journey.
- Update your LinkedIn profile:
 - Add “Intern – Machine Learning” (or relevant role) in your headline
 - List Future Interns as your current organization under Experience
- Follow Future Interns on LinkedIn: <https://www.linkedin.com/company/future-interns/>

Task-Based Professional Updates

- After completing a task, you are strongly encouraged to share a professional update on LinkedIn.
- **Your post should include:** A brief overview of what you built (feature, module, or application)
- Key technical learnings or challenges you solved
- Screenshots or short clips of the UI, functionality, or workflow
- Project link (live site or GitHub repository)
- **Optional:** Add a short demo video or screen recording to clearly showcase functionality and improve engagement.
- Tag and follow Future Interns ([@Future Interns](#)) to build your professional network.



Task 1

Sales & Demand Forecasting for Businesses

- ◆ **Task:** Build a model to forecast future sales or demand using historical business data.
- ◆ **Visualization (Recommended):** Power BI / Tableau / Matplotlib (to present forecasts clearly)
- ◆ **Skills Gained:** Time-series analysis, forecasting, business interpretation
- ◆ **Key Features:**
 - ✓ Data cleaning & time-based feature engineering
 - ✓ Forecasting using regression or time-series methods
 - ✓ Model evaluation and error analysis
 - ✓ Business-friendly visual forecast output
- ◆ **Deliverable:** A sales forecast model with clear visuals and business-ready insights.

 [Full Task Details](#)

Task 2

Support Ticket Classification

- ◆ **Task:** Build a system to automatically classify customer support tickets and assign priority levels.
- ◆ **Tools:** Python (NLTK / spaCy), Scikit-learn, Jupyter Notebook
- ◆ **Skills Gained:** Text preprocessing, NLP classification, priority logic, support analytics
- ◆ **Key Features:**
 - ✓ Text cleaning & tokenization
 - ✓ Ticket category classification
 - ✓ Priority tagging (high / medium / low)
 - ✓ Model performance evaluation
- ◆ **Deliverable:** A ticket classification system that helps support teams respond faster and smarter.

 [Full Task Details](#)

Task 3

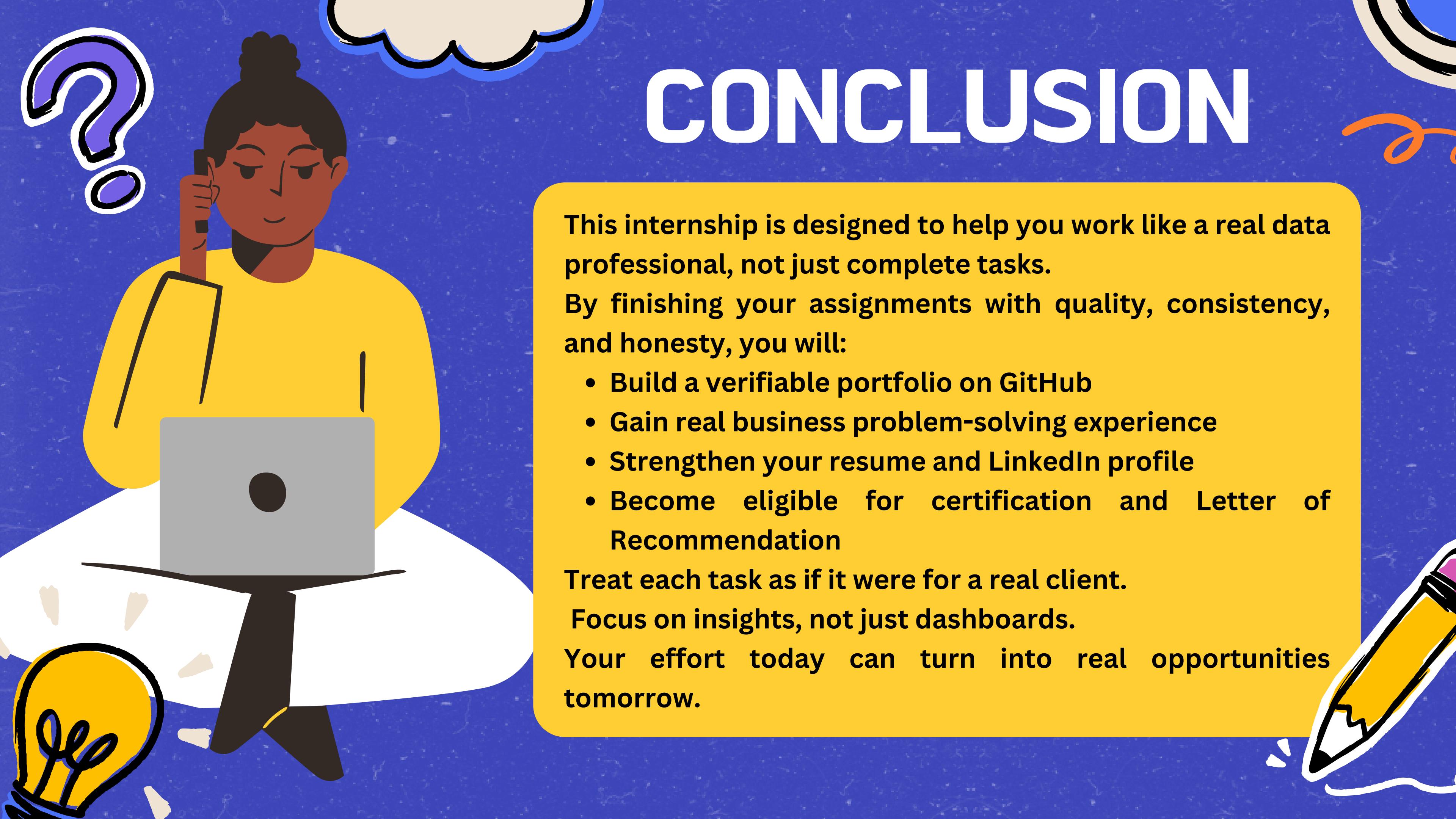
Resume / Candidate Screening System

- ◆ **Task:** Build an ML system to automatically screen and rank resumes based on a given job role.
- ◆ **Tools:** Python (spaCy / NLTK), Scikit-learn, Jupyter Notebook
- ◆ **Skills Gained:** Text analysis, feature extraction, resume scoring, ranking models
- ◆ **Key Features:**
 - ✓ Resume text cleaning & parsing
 - ✓ Skill extraction & matching with job descriptions
 - ✓ Candidate ranking based on role fit
 - ✓ Skill gap identification
- ◆ **Deliverable:** A resume screening system that ranks candidates and highlights missing or required skills.



[Full Task Details](#)

CONCLUSION



This internship is designed to help you work like a real data professional, not just complete tasks.

By finishing your assignments with quality, consistency, and honesty, you will:

- Build a verifiable portfolio on GitHub
- Gain real business problem-solving experience
- Strengthen your resume and LinkedIn profile
- Become eligible for certification and Letter of Recommendation

Treat each task as if it were for a real client.

Focus on insights, not just dashboards.

Your effort today can turn into real opportunities tomorrow.

THANK YOU



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contact@futureinterns.com



WEBSITE

futureinterns.com



LinkedIn

linkedin.com/future-interns/