

## Assignment : AI Tool Developer

### Assignment Title: Build a Micro AI Tool That Solves a Real-World Problem

#### Objective:

Create a simple yet impactful AI-powered tool or automation solution using LLMs, APIs, or open-source models. Your solution should solve a pain point in the domains of education, career building, or personal productivity.

#### Choose ONE of the following project options:

##### Option 1: AI-Powered LMS Dashboard (Mini-Version)

#### Design a micro LMS dashboard that:

- Accepts mock learner data (JSON/CSV format)
- Displays learning progress, quiz performance, etc.
- Optionally includes personalized AI feedback or course recommendations

##### Option 2: Automate Report Generation for Learners

#### Build a tool that:

- Accepts student/learner data (CSV or form input)
- Uses GenAI to generate personalized feedback reports
- Exports PDF reports for each learner (using Python/Node libraries)

##### Option 3: LinkedIn Profile Analyzer

#### Create a tool that:

- Accepts LinkedIn profile link (or text copy-paste)
- Analyzes the content (skills, summary, keywords)
- Gives career-based insights, profile score, and improvement tips

##### Option 4: GitHub Profile Analyzer

#### Develop a tool that:

- Accepts a GitHub username
- Analyzes repositories, commits, and languages used
- Suggests ways to improve GitHub presence for hiring readiness



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### Option 5: Portfolio / Website Analyzer (AI Career Coach)

**Build a tool that:**

- Accepts any portfolio URL or plain HTML/text
- Uses NLP to evaluate content structure, keywords, UX
- Recommends enhancements from a hiring perspective

**Deliverables:**

1. GitHub Repo or Google Colab Link
2. 1-minute screen recording of your working demo
3. PDF with:
  - Problem statement
  - Tools/tech used
  - Key logic or API flows
  - What you'd improve if given more time

**Evaluation Criteria:**

Criteria	Weight
Relevance & Originality	25%
Working Prototype	30%
AI/ML/NLP Logic & Implementation	20%
Simplicity of UI/UX	10%
Documentation Quality	15%

**Submission Instructions:**

**Deadline : 2 Days**

**Email the deliverables to**  
**[contactus@smarrtifai.com](mailto:contactus@smarrtifai.com)**

**Subject Line: Assignment Submission – AI Tool Developer – [Your Name]**



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