Task: HR Candidate Profile Parser

Goal:
 Parse a short resume snippet into a clean JSON object using LangChain's **Output Parser** (e.g., StructuredOutputParser).

What I'll do

- Extract text from the CV.
- Parse into this schema:
  - full_name (string)
  - email (string)
  - education → list of {degree, institution, year}
  - skills → list of strings
  - experience → list of {role, company, years}

Sample Input Text

John Smith – john.smith@email.com

Education: B.Sc. Computer Science, MIT, 2020

Skills: Python, Machine Learning, Data Analysis

Experience:

- Software Engineer at Google (2020–2023)

- Data Scientist at OpenAI (2023–Present)

Expected Output (JSON)

```json
{
  "full_name": "John Smith",
  "email": "john.smith@email.com",
  "education": [
    { "degree": "B.Sc. Computer Science", "institution": "MIT", "year": 2020 }
  ],
  "skills": ["Python", "Machine Learning", "Data Analysis"],
  "experience": [
    { "role": "Software Engineer", "company": "Google", "years": "2020-2023" },
    { "role": "Data Scientist", "company": "OpenAI", "years": "2023-Present" }
  ]
}
```