

AI Agents

Smart Apply

AI Agents Hackathon Submission

About the Team!



Harith alsafi
harith-alsafi



Harith Sami
HarithSami

Our Project

Smart Apply uses LLM AI Agents and Web Scraping to simplify the process of crafting personalized resumes tailored to individual skills, experiences, and career goals!

We utilized:



Langchain



Streamlit



Hugging Face



CAMEL AGI

Design Layout

Place your information:


Place Your LinkedIn URL

Place the job posting page

Place Your Github URL

Upload your existing resume

Drag and drop file here
Limit 200MB per file

 Harith_Resume.pdf ×
113.0KB

what do you want to generate?

Create Resume

Create Cover Letter

Create Interview Questions

Smart Apply

Generated Interview Questions!

Hide Interview Questions

Interview Questions

1. Can you tell me about yourself and your background?
2. What interests you about our company and this position?
3. How would you describe your approach to problem-solving?
4. Can you provide an example of a

Video Demo

Video Demo can be seen in the video presentation

The image shows a two-part interface. On the left is a dark-themed control panel for generating a resume. It includes fields for LinkedIn URL, job posting page, and GitHub URL. There is an upload section for existing resumes with a 'Browse files' button. At the bottom, there are radio buttons to select the type of document to generate: 'Create Resume' (selected), 'Create Cover Letter', and 'Create Interview Questions'. A 'Generate' button is at the bottom of this panel. On the right is the 'Generated Resume!' for Harith Al-Safi, a Computer Engineer and AI Engineer. The resume features a profile picture, a summary in the 'ABOUT ME' section, a list of skills (Python, C++, AI, Git, C#, Leadership), and detailed work experience including roles at Johnson Controls, Royal Holloway, and Paperound. It also lists education from the University of Leeds and a high school diploma from IB.

Place your information:

Place Your LinkedIn URL
`https://www.linkedin.com/in/harith-al-safi`

Place the job posting page
`https://www.linkedin.com/jobs/collections`

Place Your Github URL

Upload your existing resume
Drag and drop file here
Limit 200MB per file
Browse files

what do you want to generate?

Create Resume
 Create Cover Letter
 Create Interview Questions

Generate

Receiving information.....

Generating Resume...

Generated Resume!

Hide Resume

HARITH AL-SAFI
Computer Engineer | AI Engineer

ABOUT ME
Highly motivated and skilled ML Engineer intern with a passion for Machine Learning research, seeking an internship opportunity at Ivy. Committed to expanding Ivy's codebase and contributing to the PyTorch Ecosystem and beyond.

SKILLS

- ★ PYTHON
- ★ C++
- ★ AI
- ★ GIT
- ★ C#
- ★ LEADERSHIP

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN
Johnson Controls 2022-2023
Collaborated with a team of developers to create innovative software solutions. Utilized C++, C#, and Python for software development projects. Acquired strong skills in computer science, PowerShell, Git, and Microsoft Office.

SOFTWARE PROGRAMMER
Royal Holloway 02/2023
Developed a web app dashboard using MATLAB for carbon data analysis. Integrated Auth0 for credential management and Twilio for user alerts. Analyzed large datasets using MATLAB in the backend.

FREELANCE SOFTWARE ENGINEER
Paperound 06/2020-03/2021
Learned basics of UNIX, Bash, and computer networking protocols. Implemented a local file server using Apache and Nextcloud. Developed skills in Python, Linux, Bash, and computer networking.

EDUCATION

BENG, COMPUTER ENGINEERING
University of Leeds, 09/2020-07/2024 A hybrid course between Electronics Engineering and Computer Science. Relevant coursework includes Assembly Language, Algorithms and Data Structures, Digital Electronics, Mathematics, Computer Science, and Circuit Design.

FOUNDATION ENGINEERING
University of Leeds 2019 - 2020
Obtained a grade of 93/100. Specialized in higher level pure and applied mathematics. Completed external courses on Python, Octave, and Multivariable Calculus.

HIGH SCHOOL DIPLOMA, IB

INFORMATION TECHNOLOGY ADMINISTRATOR

How to use:

- 1 Input LinkedIn and Job Posting Links.
- 2 Select Desired Resume Elements.
- 3 Select your preferred style
- 4 Preview and Edit.
- 5 Export and Share.

1

Place your information:

Place Your LinkedIn URL

<https://www.linkedin.com/in/harith>

Place the job posting page

<https://www.linkedin.com/jobs/coll>

Place Your Github URL

<https://github.com/HarithSami/>

2

what do you want to generate?

Create Resume

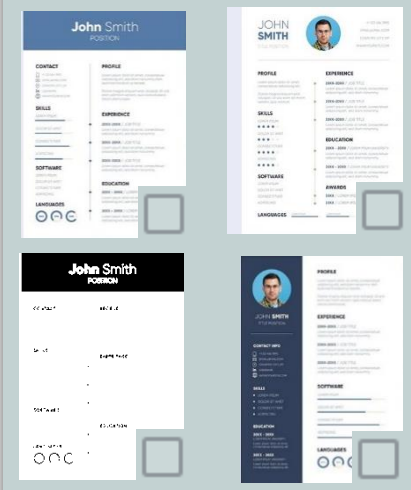
Create Cover Letter

Create Interview Questions

[Generate](#)

3

Select Style:



4

Place your information:

Place Your LinkedIn URL

<https://www.linkedin.com/in/harith>

Place the job posting page

<https://www.linkedin.com/jobs/coll>

Place Your Github URL

<https://github.com/HarithSami/>

Upload your existing resume

Drag and drop file here
Limit 200MB per file

[Browse files](#)

I am writing to express my strong interest in the Job Title position at Company Name, as advertised on Job Board/Company Website. With my background in relevant experience/education, I am confident in my ability to contribute to the success of your team.

Throughout my number of years of experience in relevant field, I have developed a solid foundation in relevant skills or areas of expertise. I am particularly adept at specific skills or achievements related to the job. These experiences have equipped me with the ability to mention key responsibilities or tasks relevant to the job.

What sets me apart is my passion for industry or field and my dedication to delivering high-quality results. I thrive in collaborative environments and enjoy working with cross-functional teams to achieve common goals. I am a quick learner and adaptable to new technologies or processes. Additionally, my strong mention relevant soft skills, such as communication, problem-solving, or leadership have enabled me to effectively mention how these skills have contributed to your previous work or projects.

I am excited about the opportunity to join Company Name and contribute to its ongoing success. Your company's commitment to mention specific values or

4

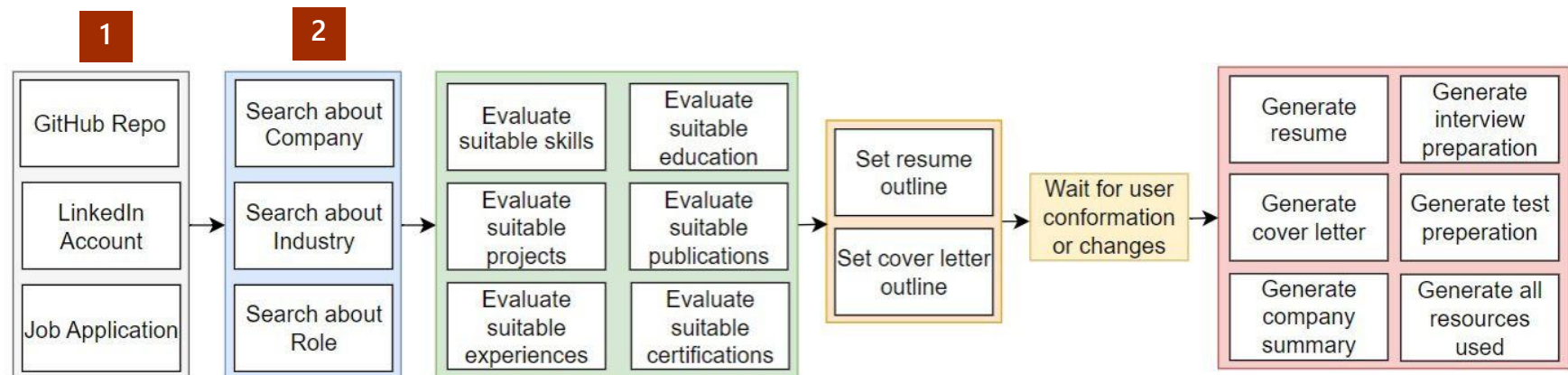
[Download](#)



Backend Project Layout

1 Our software incorporates a seamless process that begins with user input.

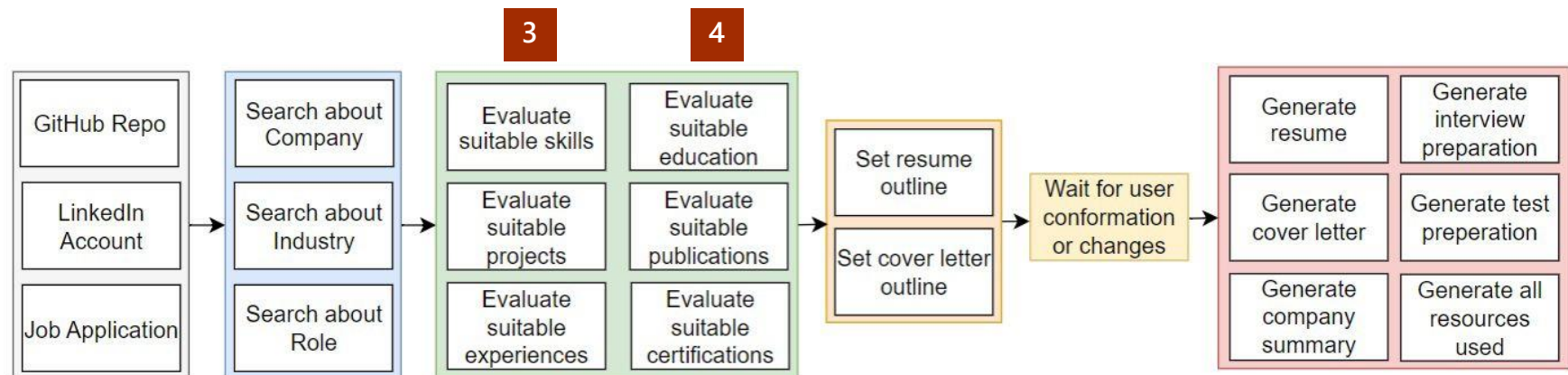
2 Once the necessary information is filled, our system utilizes web scraping to extract data regarding the user's job experience and desired position.



Backend Project Layout

3 This data is then reformatted to ensure optimal processing by our **AI agents**. We employ three AI agents in this process:

4 Subsequently, all this text data is passed to the **final agent**, which generates a customized resume by leveraging the collected information.

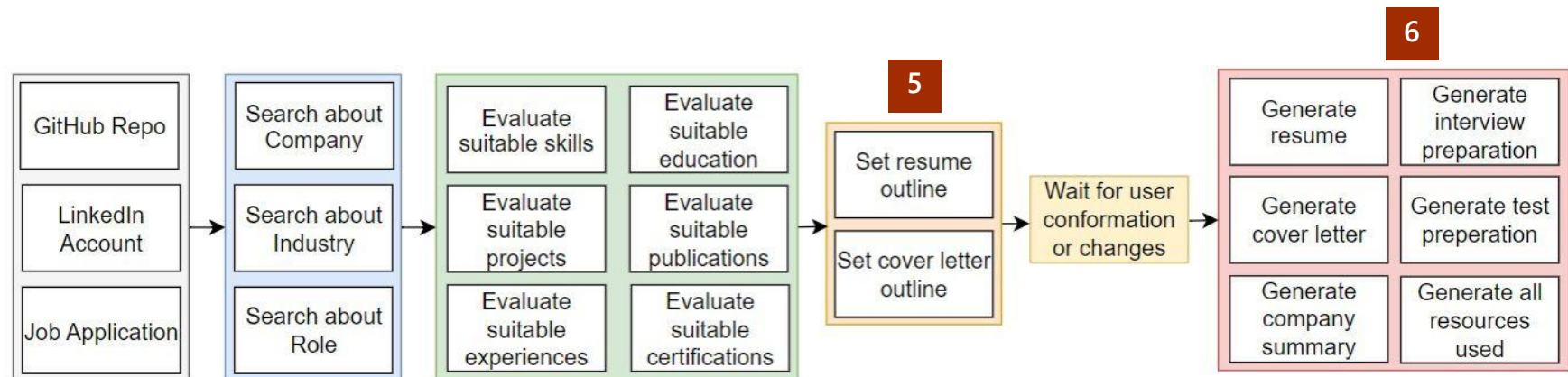


Backend Project Layout

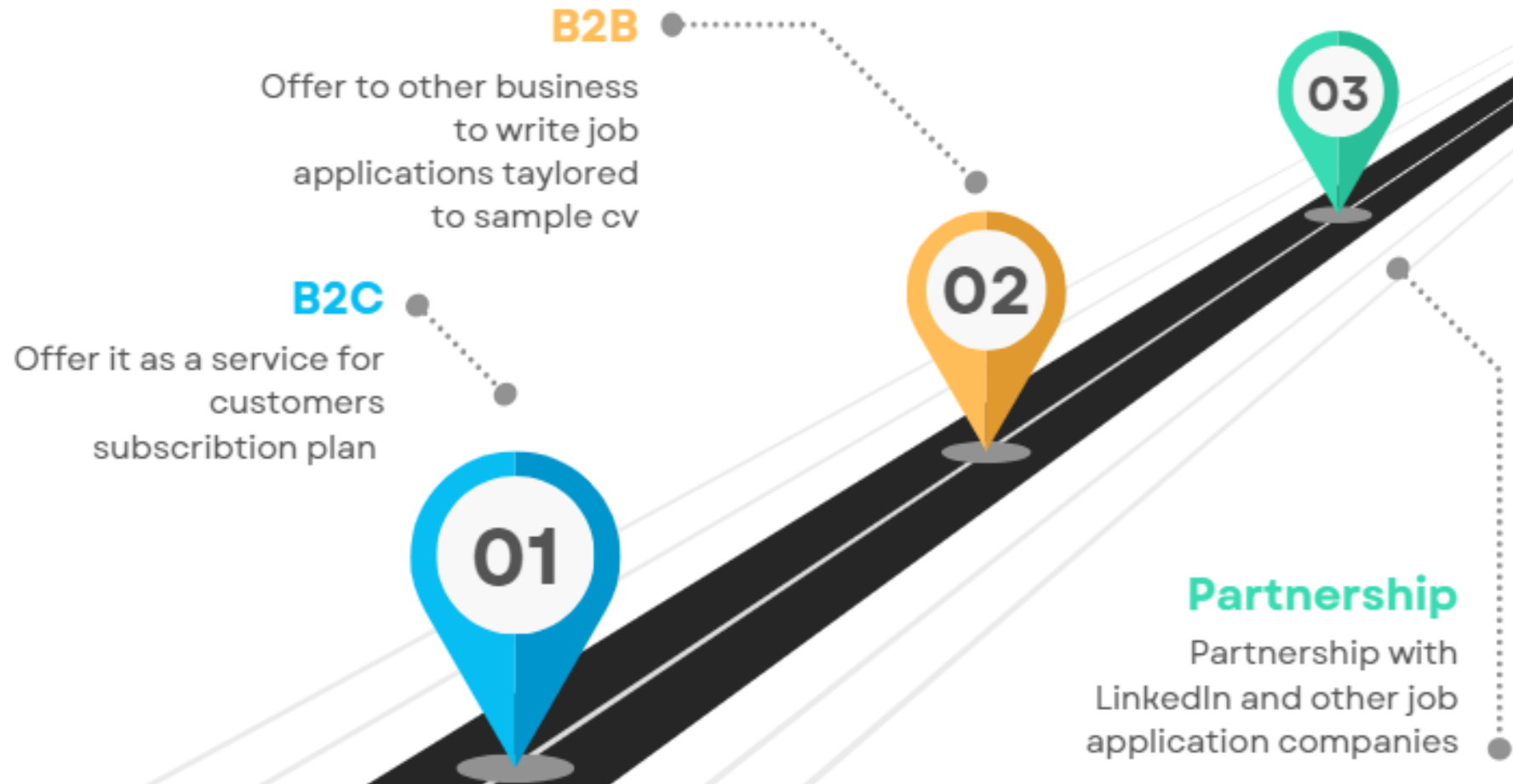
5 This data is then reformatted to ensure optimal processing by our **AI agents**. We employ three AI agents in this process:

- One to identify matches between the user's experience and required job qualifications.
- Another to analyze company backgrounds and orientations.
- A third to review the user's portfolio.

6 The resulting resume is meticulously formatted using HTML and CSS, resulting in a visually appealing document that can be downloaded as a PDF. This same process is also utilized for generating cover letters and interview questions, all handled by the final agent.



Monetization Scalability Plan



THE BUSINESS MODEL CANVAS

KEY PARTNERS

- Strategic alliances with resume writing services or career coaching platforms.
- Collaboration with professional networking platforms to access user data.
- Partnerships with job portals to gather real-time job posting information.

KEY ACTIVITIES

- Developing and maintaining the custom resume creation tool.
- Integrating and training AI Agents for content generation.
- Implementing web scraping techniques to extract data from online sources.
- Regularly updating and refining the AI models based on user feedback and industry trends.

KEY RESOURCES

- Skilled software development team.
- Access to AI technologies, such as LLM AI Agents.
- Web scraping infrastructure and tools.
- User feedback and data for continuous improvement

VALUE PROPOSITIONS

- Simplified resume creation process with intelligent content generation.
- Tailored resumes that align with job requirements and user preferences.
- Neatly formatted resumes that stand out to potential employers.
- Time and effort savings for users seeking professional-quality resumes.
- Integration with cover letter and interview question generation for comprehensive job application support.

CUSTOMER RELATIONSHIPS

- User-friendly interface with intuitive resume creation steps.
- Prompt and responsive customer support to address user inquiries.
- Regular updates and improvements based on user feedback.
- Community engagement through forums or social media platforms to foster interaction and support.

CHANNELS

- Web-based platform accessible through desktop and mobile devices.
- Online marketing campaigns to reach the target audience.
- Partnerships with career-focused websites and platforms to promote the tool.

CUSTOMER SEGMENTS

- Job seekers from various industries and experience levels.
- Professionals looking to update or tailor their resumes for specific job applications.
- Career changers in need of resume assistance.

COST STRUCTURE

- Development and maintenance costs for the tool and infrastructure.
- Expenses associated with AI model training and refinement.
- Marketing and advertising expenses to acquire and retain users.
- Customer support and operational costs.

REVENUE STREAMS

- Freemium model with basic resume creation features available for free.
- Premium subscriptions offering advanced customization options and additional features.
- Partnership agreements or affiliate programs with related services.

Learn More

More questions about Accessibility?

Visit the repository page here 

github.com/harith-alsafi/smartapply



Harith alsafi
harith-alsafi



Harith Sami
HarithSami

