



API Documentation: SmartHirePro Overview:

SmartHirePro is a recommendation application that recommends jobs to a user based on keywords in the user's resume. SmartHirePro not only provides a job recommendation but also generates a relevance score for the job to the user's profile.

To provide all the functionalities of SmartHirePro, a proprietary API is created. This API enables SmartHirePro to store, update and use the user information and communicate to an external Job board to recommend and describe jobs.

SmartHirePro Endpoints:

1. Register: Use this endpoint for registering a user to the SmartHirePro. To successfully register a user to SmartHirePro, this endpoint must be accompanied by a username, password, and resume content of the user. After successful registration of the user the user is redirected to the Dashboard page that contains recommended job list. The request type of this endpoint is POST.

http://ec2-54-224-174-201.compute-1.amazonaws.com/userauth/register?username=<username>&password=<password>&resume=<resume_text>

2. Login: Use this endpoint to login into SmartHirePro. To successfully login into SmartHirePro, this endpoint call must be accompanied by a username and a password. After successful login the user is redirected to Dashboard page that can recommended job list. The request type of the endpoint is POST.

<http://ec2-54-224-174-201.compute-1.amazonaws.com/userauth/login?username=<username>&password=<password>>

3. Logout: Use this endpoint to logout from SmartHirePro. To successfully logout from SmartHirePro, this endpoint call must be accompanied by a username. After successful logout the user is redirected to login page. The request type of the endpoint is POST.

<http://ec2-54-224-174-201.compute-1.amazonaws.com/userauth/logout?username=<username>>

4. Job list: Use this endpoint to generate a list of recommended jobs from SmartHirePro. This endpoint essentially is linked to an external job board API. To successfully generate a list of jobs from SmartHirePro, this endpoint call must be accompanied by a username and page number. After a successful API call the user is provided with a list of

recommended jobs on the Dashboard page. The request type of the endpoint is GET.

<http://ec2-54-224-174-201.compute-1.amazonaws.com/jobs/list?username=<username>&page=<page>>

5. Job Details: Use this endpoint to generate details of a job from SmartHirePro. This endpoint essentially is linked to an external job board API. To successfully generate details of a job from SmartHirePro, this endpoint call must be accompanied by a job ID. After a successful API call the user is provided with a list of recommended jobs on the Dashboard page. The request type of the endpoint is GET.

<http://ec2-54-224-174-201.compute-1.amazonaws.com/jobs/detail?jobid=<jobID>>

6. Resume Upload: Use this endpoint to replace a user's resume and his/her job recommendations on SmartHirePro. This endpoint essentially updates the user data specifically, user's name, email, contact number and resume content. To successfully update user's resume on SmartHirePro, this endpoint call must be accompanied by username and the content of the resume of a user. After a successful API call the user will be redirected to and is provided with a list of recommended jobs based on the updated resume on the Dashboard page. The request type of the endpoint is POST.

<http://ec2-54-224-174-201.compute-1.amazonaws.com/resume/upload?username=<username>&resume=<resume>>

7. Relevance Score: Use this endpoint to generate relevance score of a job and user's resume from SmartHirePro. To successfully generate relevance score from SmartHirePro, this endpoint call must be accompanied by a username and job description. After a successful API call a pie chart is generated depicting the relevance score. The request type of the endpoint is GET.

<http://ec2-54-224-174-201.compute-1.amazonaws.com/jobs/score?username=<username>&jobdes=<jobDescription>>