

AI-Powered Resume Screening System

API Reference Documentation

1. Authentication Module

1.1 Register

Endpoint: POST /api/auth/register/

Auth Required: No

Description: Register a new user.

Request:

```
{
  "username": "recruiter1",
  "email": "user@test.com",
  "password": "****",
  "role": "recruiter"
}
```

1.2 Login

Endpoint: POST /api/auth/login/

Auth Required: No

Description: Obtain JWT tokens.

Request:

```
{
  "username": "recruiter1",
  "password": "****"
}
```

Response:

```
{
  "access": "eyJ0...",
  "refresh": "eyJ0..."
}
```

2. Job Management Module

2.1 Create Job

Endpoint: POST /api/jobs/

Auth Required: Yes (Bearer)

Description: Create a new job posting.

Request:

```
{
  "title": "Python Dev",
  "description": "...",
  "required_skills": "Python, Django"
}
```

3. Resume Module

3.1 Upload Resume

Endpoint: POST /api/resumes/

Auth Required: Yes

Description: Upload PDF/DOCX. Content-Type: multipart/form-data.

4. Screening Module

4.1 Trigger Screening

Endpoint: POST /api/screening/screen/{job_id}/

Auth Required: Yes

Description: Run ML matching for a job.

Response:

```
[
  {
    "id": 1,
    "score": 0.95,
    "resume": { "candidate_name": "Alice" }
  }
]
```

5. Operational Estimates

Auth API: High frequency (1000/day). Success 99%.

Resume Upload: Medium frequency. Success 98% (File corruption errors).

Screening API: Low frequency (Batch). Success 99.9%.