



VETRI IT SYSTEMS PRIVATE LIMITED

PROJECT REPORT

PROJECT TITLE: VETRI CONSULTANCY SERVICES WEBSITE

1. Project Overview

Project Name: Vetri Consultancy Services Website

Project Assigned Date: 02-02-2026

Planned Completion Date: 05-02-2026

Delivery Date: 05-02-2026

2. Project Team

- Project Manager:** Praveena S
- Designer:** Suganya S
- Developer(s):** Suganya S

3. Technology Stack

- Backend Technologies:** Django 6 (Python), Django ORM, Django Allauth (Google OAuth), SMTP Email Service, OpenAI-compatible API (Groq LLM integration)
- Frontend Technologies:** HTML5, CSS3, Bootstrap 5, JavaScript, Django Template Engine
- Design Enhancements:** Responsive UI (Bootstrap), Role-based dynamic navigation, Form validations, Dashboard UI components, Pagination & filtering
- Database:** SQLite
- Infrastructure:** GitHub (version control), Render (deployment), Environment Variables (.env configuration), WhiteNoise (static file serving)

4. Project Scope

The project involves developing a centralized web application to manage recruitment and training activities for a consultancy organization. It includes user registration and authentication with email and Google login, candidate profile creation with completion tracking, and role-based access for candidates, staff, and administrators. The system supports job posting, approval, search, saving, and application tracking with subscription-based job visibility for free and premium users. It also provides training listing, enrollment, mentor assignment, certificate management, and a candidate-admin enquiry chat system. Automated email notifications are sent for profile completion and interview shortlisting, and an integrated AI assistant guides users within the platform. The application features dashboards for both candidates and administrators, secure data handling, and restricted page access. The system is designed to support future expansion including online payment integration, resume parsing, interview scheduling, and messaging notifications.

Key Objectives:

- Digitize the consultancy recruitment workflow
- Provide a centralized platform for candidate and job management
- Enable candidates to search and apply for jobs easily
- Show jobs based on candidate skills (skill-based matching)
- Implement secure login including Google authentication
- Implement role-based access for candidates, staff, and administrators
- Automate notifications for profile completion and interview updates
- Manage training programs, enrollments, and certifications
- Improve communication through enquiry chat system

- Integrate an AI assistant for user guidance
- Reduce manual administrative workload

5. Project Modules

- **Authentication & User Management**
 - Handles user registration, email login, and Google login. Creates user profiles automatically and controls access based on roles (candidate, staff, admin).
- **Candidate Profile Management**
 - Allows candidates to complete personal and professional details, upload resumes, and track profile completion percentage before applying for jobs.
- **Job Management System**
 - Staff can create jobs and admins approve or reject them. Candidates can search, filter, save, and apply for jobs with skill-based matching and application tracking.
- **Training & Enrollment Module**
 - Displays available training programs, enables enrollment, mentor assignment, course details, and certificate management.
- **Application Tracking & Notifications**
 - Tracks application status (Applied, Review, Interview, Closed) and sends automated email notifications for important updates.
- **Enquiry Chat System**
 - Provides communication between candidates and administrators regarding training and support queries.
- **AI Assistant Module**
 - Integrated an AI chatbot providing contextual guidance based on user role, accessible exclusively to PRO users.
- **Dashboard & Reporting**
 - Separate dashboards for candidates and admins showing jobs, applications, enrollments, and system statistics.

6. Project Code

Github Coding link: https://github.com/sugandv21/Vetri_Consultancy_Services

base.html

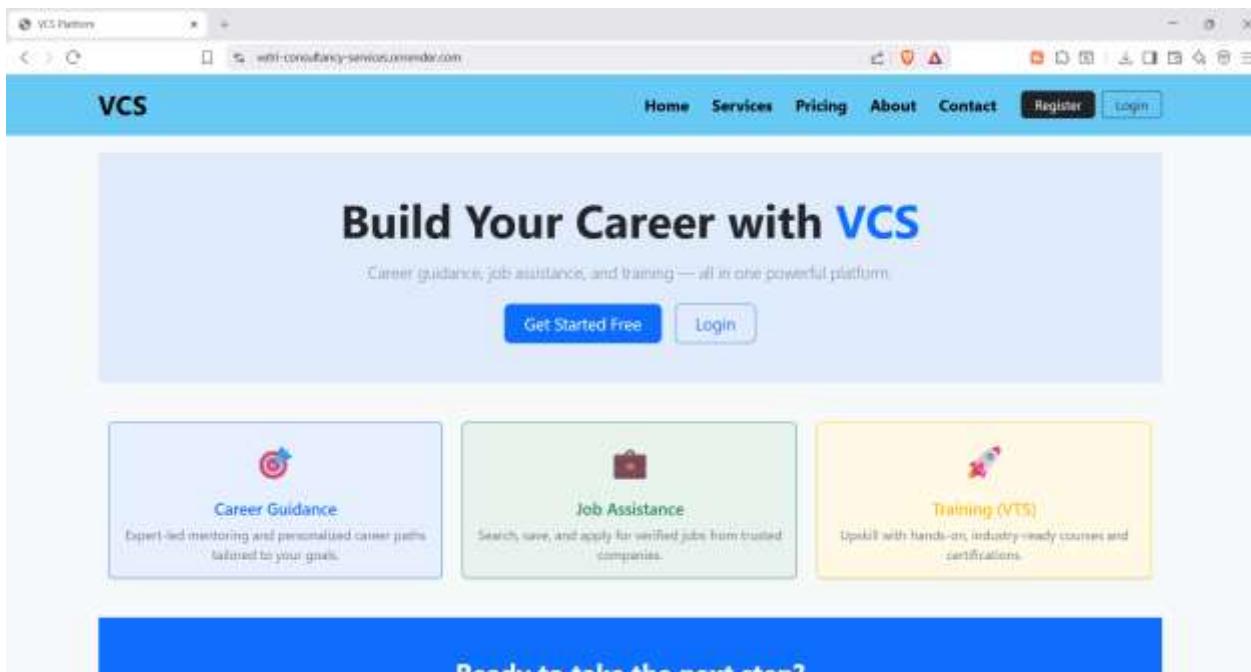
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title>Vetri Platform</title>
7     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet">
8   </head>
9
10  <body class="d-flex flex-column min-vh-100 bg-light">
11
12    <div class="fixed-top">
13      {% include "accounts/navbar.html" %}
14    </div>
15
16    <main class="flex-fill container w-100">
17
18      {% if messages %}
19        {% for message in messages %}
20          <div class="alert alert-{{ message.tags }}"\>
21            {{ message }}
22          </div>
23        {% endfor %}
24      {% endif %}
25
26      {% block content %}{% endblock %}
27
28    </main>
29
30    <footer class="pt-4 mb-3 bg-white">
31      {% include "accounts/footer.html" %}
32    </footer>
33
34    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>
35
36  </body>
37 </html>
```

profile.html

```
accounts > templates > accounts > profile.html
1  {% extends "accounts/base.html" %}
2  {% block content %}
3
4    <h3 class="mb-3">My Profile</h3>
5
6    <div class="mb-4">
7      <label class="form-label">Profile completion</label>
8      <div class="progress">
9        <div class="progress-bar bg-success"
10           role="progressbar"
11           style="width: {{ completion }}%">
12          {{ completion }}%
13        </div>
14      </div>
15    </div>
16
17    <form method="post" enctype="multipart/Form-data">
18      {% csrf_token %}
19
20      <div class="mb-3">
21        <label class="form-label">Full Name</label>
22        <input
23          type="text"
24          class="form-control"
25          name="full_name"
26          value="{{ profile.full_name|default:''" }}"
27          required
28        >
29      </div>
```

7. Output & Screenshots

Render - Deployment link : <https://vetri-consultancy-services.onrender.com/>



8. Conclusion

The Vetri Consultancy Services Job Portal & Training Management System successfully digitalizes the recruitment and training workflow by integrating candidate management, job application tracking, training enrollment, and communication into a single platform. The system reduces manual effort, improves operational efficiency, and enhances user experience through role-based access, automated notifications, and an AI assistant for real-time guidance.

Future enhancements include online payment integration, resume parsing with smart job recommendations, interview scheduling, and SMS/WhatsApp notifications, improving automation, user engagement, and system scalability.

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Date: 05-02-2025