RESUME BUILDER WEB APPLICATION

MINOR PROJECT REPORT

By

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Under the guidance of

DR. V. NALLARASAN

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In partial fulfilment for the Course

of

21CSC203P – ADVANCED PROGRAMMING PRACTICE

in COMPUTER SCIENCE AND ENGINEERING

with specialization in INFORMATION TECHNOLOGY

FACULTY OF ENGINEERING AND TECHNOLOGY

SCHOOL OF COMPUTING

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR

NOVEMBER 2023

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Under Section 3 of UGC Act, 1956)

BONAFIDE CERTIFICATE

Certified that this minor project report for the course **21CSC203P ADVANCED PROGRAMMING PRACTICE** entitled in "**RESUME BUILDER WEB APPLICATION**" is the bonafide work of **SANKAR M (RA2211031010024), ANAND BALAJI SN (RA2211031010012) and GIRISAI S(RA2211031010011)** who carried out the work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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Professor

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INTERNAL EXAMINER

EXTERNAL EXAMINER

Annexure II

Department of Networking and Communications

SRM Institute of Science & Technology

OWN WORK DECLARATION

Degree/ Course: B.Tech/Computer Science Engineering with specialization in Information Technology

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Registration Number : RA2211031010024/ RA2211031010012/ RA2211031010011

Title of Work : RESUME BUILDER WEB APPLICATION

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- Not made any use of the report(s) or essay(s) of any other student(s) either past or present
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ACKNOWLEDGEMENT

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His passion for solving problems and making a difference in the world has

always been inspiring. We sincerely thank the Networking and Communications Department staff and students, SRM Institute of Science and Technology, for their help during our project. Finally, we would like to thank parents, family members, and friends for their unconditional love, constant support, and encouragement.

ABSTRACT

Abstract-In today's competitive job market, your resume is your first impression on employers. Our Resume Builder is your ally in creating outstanding resumes, whether you're a seasoned professional, recent graduate, or changing careers. With a commitment to privacy and security, it offers export options and real-time editing. Suitable for all career stages, it features a user-friendly interface, professional templates, and expert guidance, saving time and improving your chances. Your dream job is within reach—start shaping your career with our Resume Builder today.

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1. INTRODUCTION

Motivation:

Our motivation for creating the "RESUME BUILDER WEB APPLICATION" arises from the evolving landscape of education and technology. We recognize the need to adapt to modern methods and leverage in building an resume.

Objective:

The primary objective of the Resume Builder Web Application project is to provide individuals with a powerful and user-friendly platform for creating, customizing, and presenting professional resumes.

Problem Statement:

Developing a Resume Builder Web Application presents a series of formidable challenges that require careful consideration. One of the foremost challenges is designing an interface that offers an intuitive and user-friendly experience. Striking the right balance between functionality and simplicity is essential, ensuring that users, regardless of their technical skills, can easily navigate the application and create compelling resumes. This involves extensive testing and user feedback to refine the interface continually.

Another substantial challenge revolves around customization complexity. Providing users with the ability to tailor their resumes while keeping the interface straightforward is a delicate balance. While personalization options are essential, an overabundance of choices can overwhelm users and lead to decision fatigue. Achieving a user-friendly yet flexible customization process is an ongoing challenge.

Content generation and suggestions pose another challenge. The application must provide content recommendations and templates that cater to a wide range of industries and job roles.

Ensuring data privacy and security is a paramount challenge. Handling sensitive personal and professional information while protecting it from cyber threats and breaches demands robust security measures and constant vigilance. It's an ongoing effort to maintain the trust and confidence of users.

Responsive design is a significant challenge as well. The application must function seamlessly on various devices and screen sizes, providing a consistent user experience on both desktop and mobile platforms. Achieving this responsiveness while maintaining a visually pleasing design can be complex.

As the user base grows, the challenge of scalability arises. The application's infrastructure must be capable of handling increased traffic and data storage efficiently. Scaling up and maintaining performance is ongoing challenges that require continuous monitoring and optimization.

Integrating with social media and job search platforms presents its set of complexities. Each platform may have different requirements and APIs for sharing and exporting resumes, necessitating a thorough understanding of these integrations and keeping them up to date.

To keep the application relevant and competitive, continuous updates are essential. Staying abreast of the

latest trends in resume building, job market requirements, and web technologies is an ongoing challenge that requires a proactive approach.

Compliance with legal regulations is a critical concern. Adhering to privacy laws, copyright regulations, and intellectual property rights while providing content suggestions and templates requires ongoing diligence and legal expertise.

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2. REQUIREMENT ANALYSIS

Dependencies:

Requirement analysis is a crucial step in the development of any software application, including a resume builder web application. Here are some key requirements to consider:

1. User Authentication and Authorization:
   - Users should be able to create accounts and log in securely.
   - Different user roles may be required, such as regular users and administrators.

2. User Profile Management:
   - Users should be able to create, edit, and delete their profiles.
   - Profile information may include personal details, contact information, and career objectives.

3. Resume Creation:
   - Users should have the ability to create multiple resumes.
   - The application should support different resume formats and templates.
   - Users should be able to add sections for education, work experience, skills, projects, etc.

4. Content Editing:
   - Users should be able to easily edit and update the content of their resumes.
   - WYSIWYG (What You See Is What You Get) editor for text and formatting.

5. Import and Export Functionality:
   - Capability to import data from external sources like LinkedIn or existing resumes.
   - Export feature to download resumes in various formats (PDF, Word, etc.).

6. Responsive Design:
   - The application should be accessible and usable on various devices (desktops, tablets, and smartphones).

7. Search and Filter:
   - Users should be able to search and filter through templates, sections, or specific content within the application.

8. Preview and Print:
   - Users should be able to preview their resumes before finalizing.
   - Print functionality to generate high-quality prints of the resumes.

9. Version Control:

- Maintain a version history of resumes so that users can revert to previous versions if needed.

10. Collaboration:

- If the application supports collaboration, implement features like sharing and editing resumes with other users.

11. Data Security:

- Implement security measures to protect user data and ensure the privacy of sensitive information.

12. Analytics:

- Incorporate analytics to track user engagement, popular templates, and other relevant metrics.

13. Notifications:

- Users should receive notifications for activities like profile updates, successful resume exports, etc.

14. Integration with Job Portals:

- Allow users to directly submit their resumes to job portals or share them on social media platforms.

15. Feedback and Support:

- Include features for users to provide feedback and seek support if they encounter issues.

16. Legal and Compliance:

- Ensure compliance with data protection laws and regulations.

17. Testing:

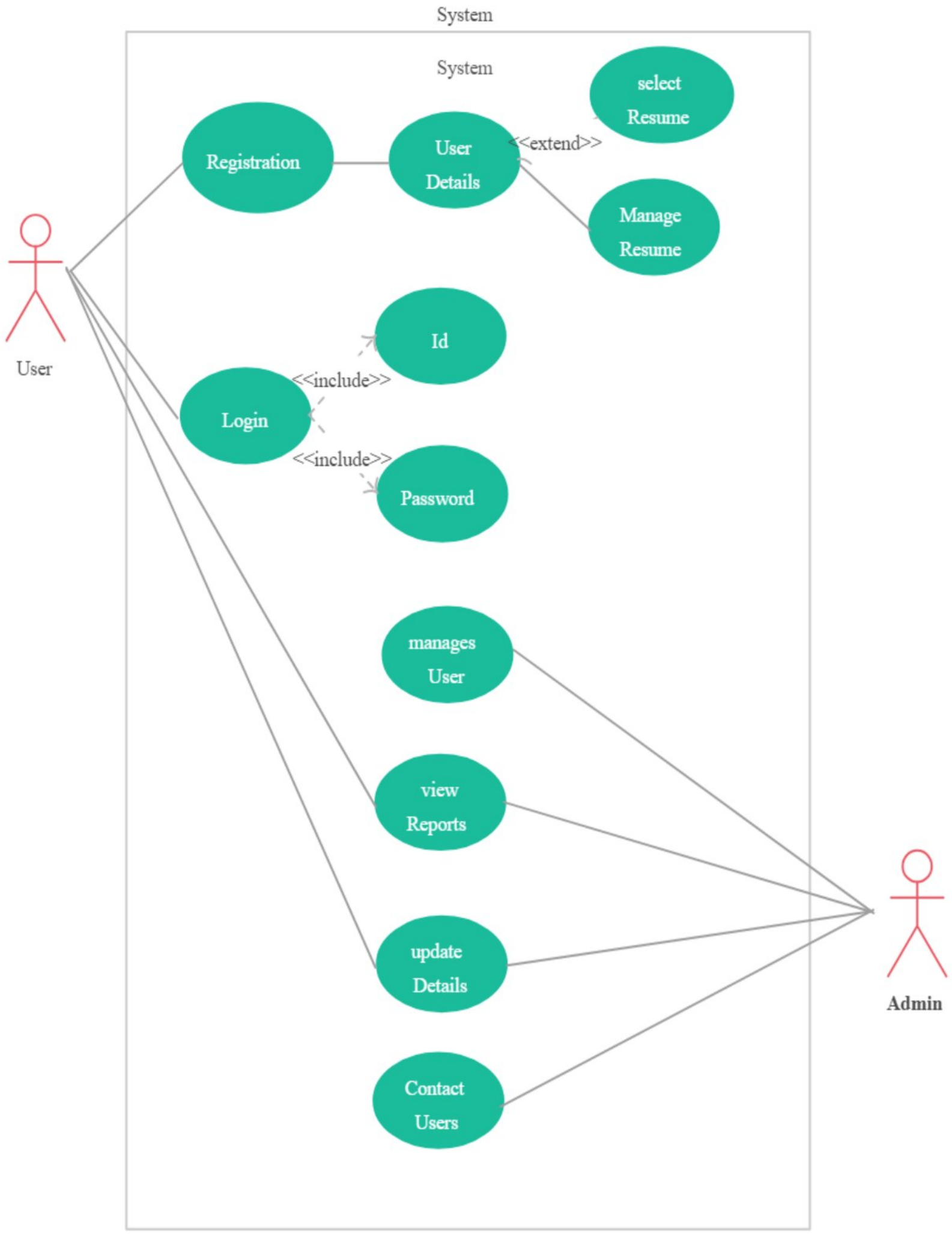
- Implement a robust testing strategy, including unit testing, integration testing, and user acceptance testing.

18. Scalability:

- Design the application to handle a growing user base and increasing data over time.

Remember to involve stakeholders, including potential users, in the requirement analysis process to gather a comprehensive understanding of the needs and expectations for the resume builder web application.

3. UML DIAGRAM



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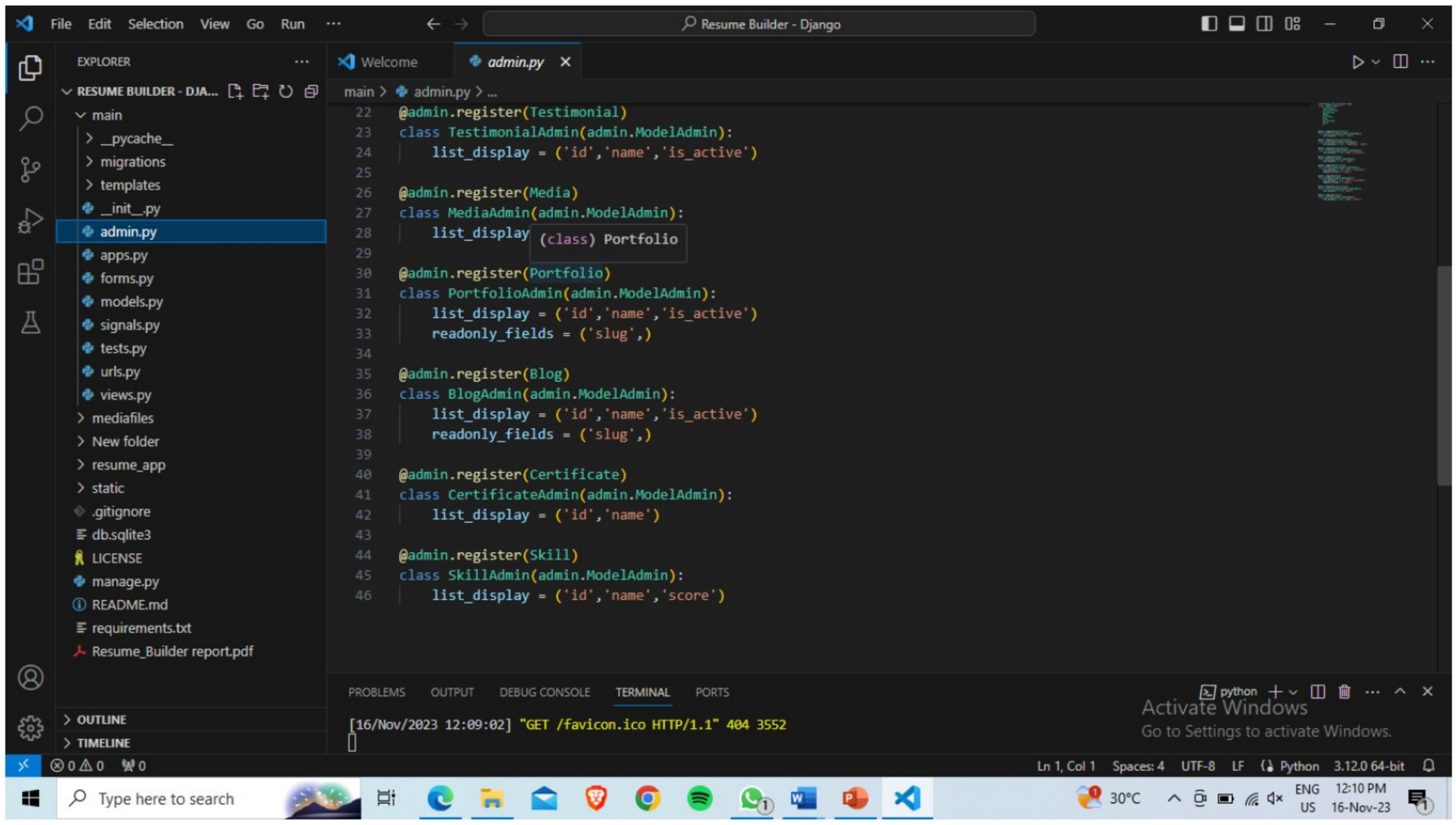

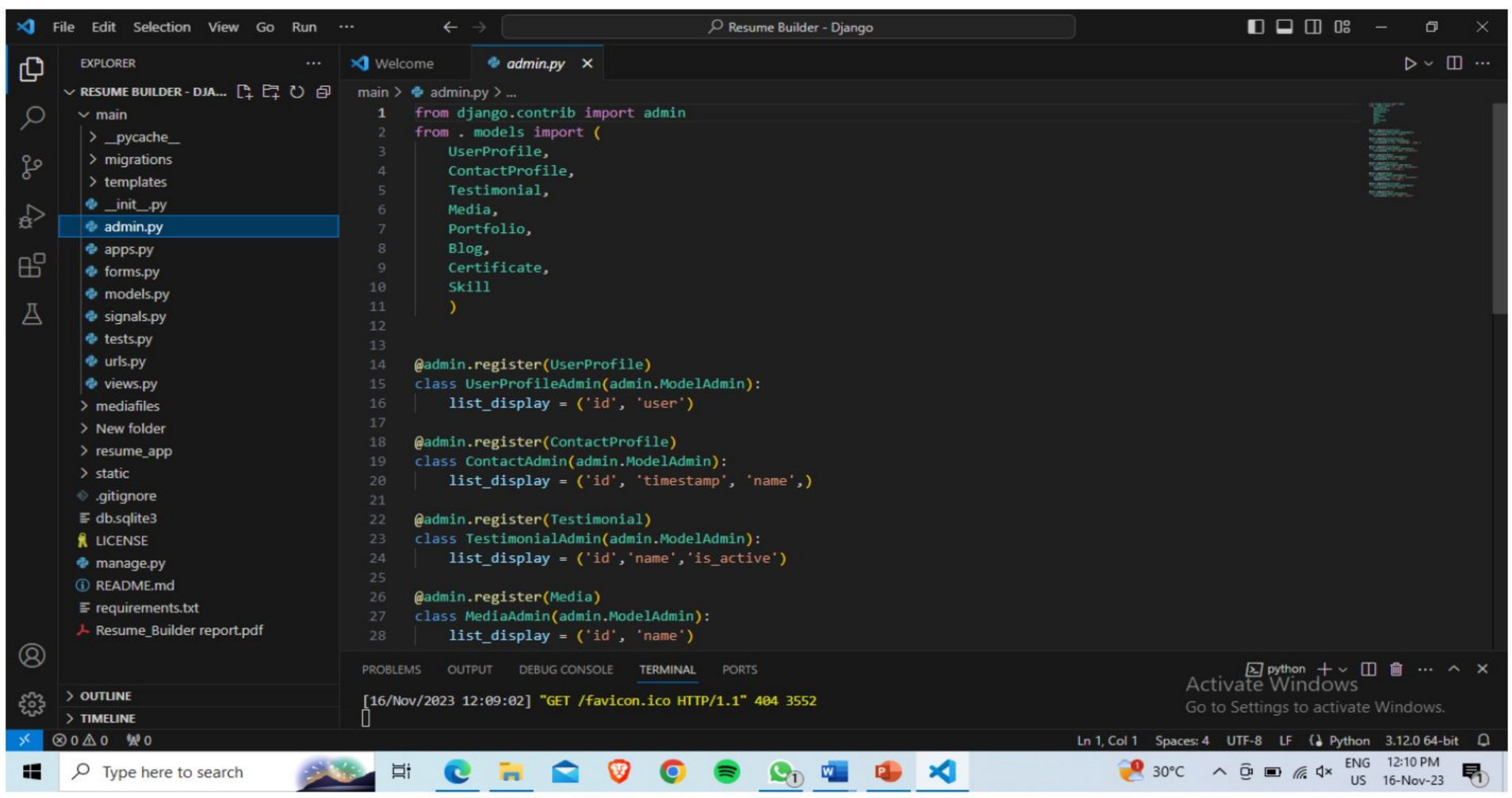

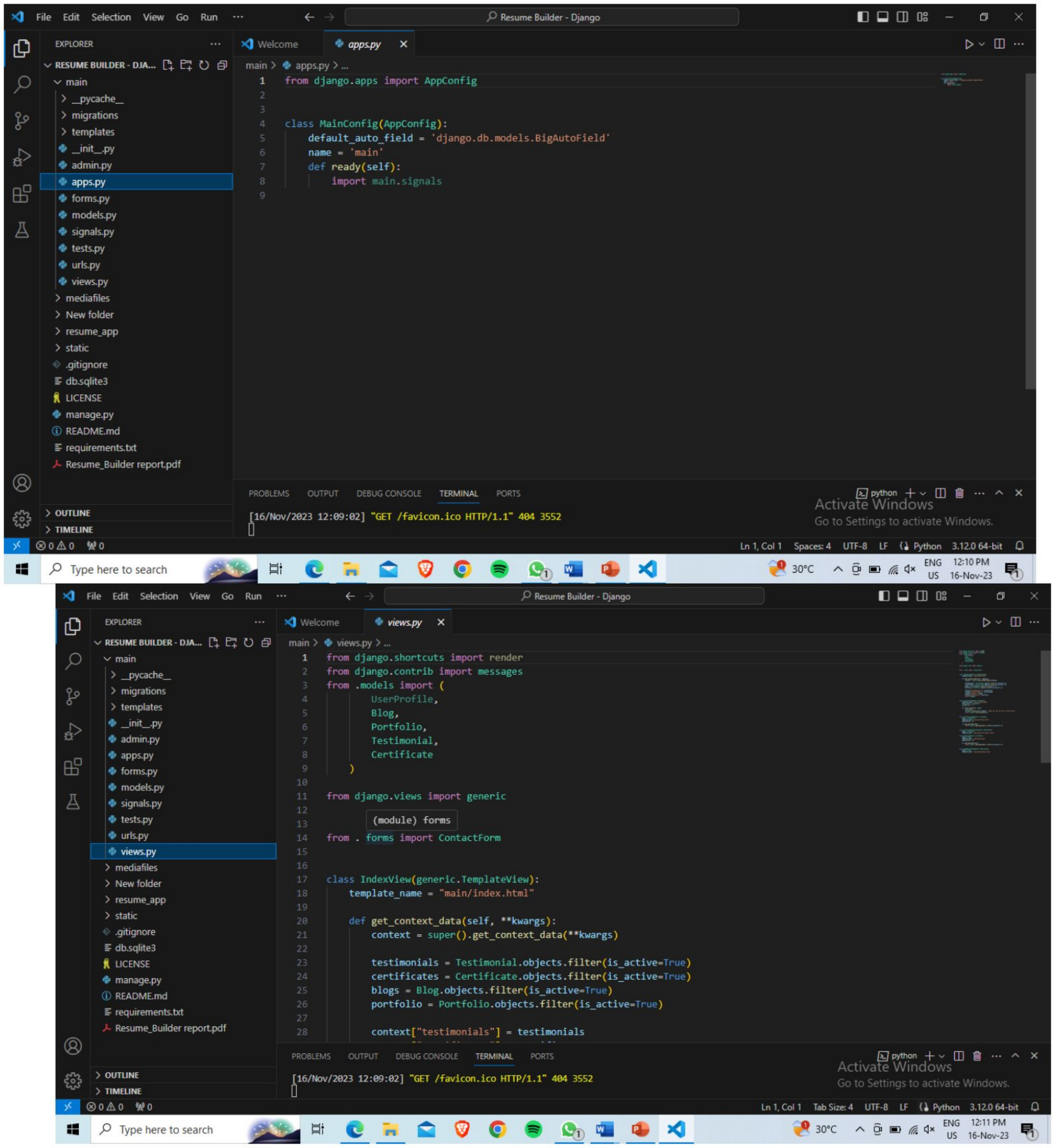
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requirements.txt
Resume_Builder report.pdf
Welcome
apps.py
main > apps.py > ...
1 from django.apps import AppConfig
2
3
4 class MainConfig(AppConfig):
5 default_auto_field = 'django.db.models.BigAutoField'
6 name = 'main'
7 def ready(self):
8 import main.signals
9
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Resume Builder - Django
views.py
main > views.py > ...
1 from django.shortcuts import render
2 from django.contrib import messages
3 from .models import (
4 UserProfile,
5 Blog,
6 Portfolio,
7 Testimonial,
8 Certificate
9)
10
11 from django.views import generic
12
13 (module) forms
14 from . forms import ContactForm
15
16
17 class IndexView(generic.TemplateView):
18 template_name = "main/index.html"
19
20 def get_context_data(self, **kwargs):
21 context = super().get_context_data(**kwargs)
22
23 testimonials = Testimonial.objects.filter(is_active=True)
24 certificates = Certificate.objects.filter(is_active=True)
25 blogs = Blog.objects.filter(is_active=True)
26 portfolio = Portfolio.objects.filter(is_active=True)
27
28 context["testimonials"] = testimonials
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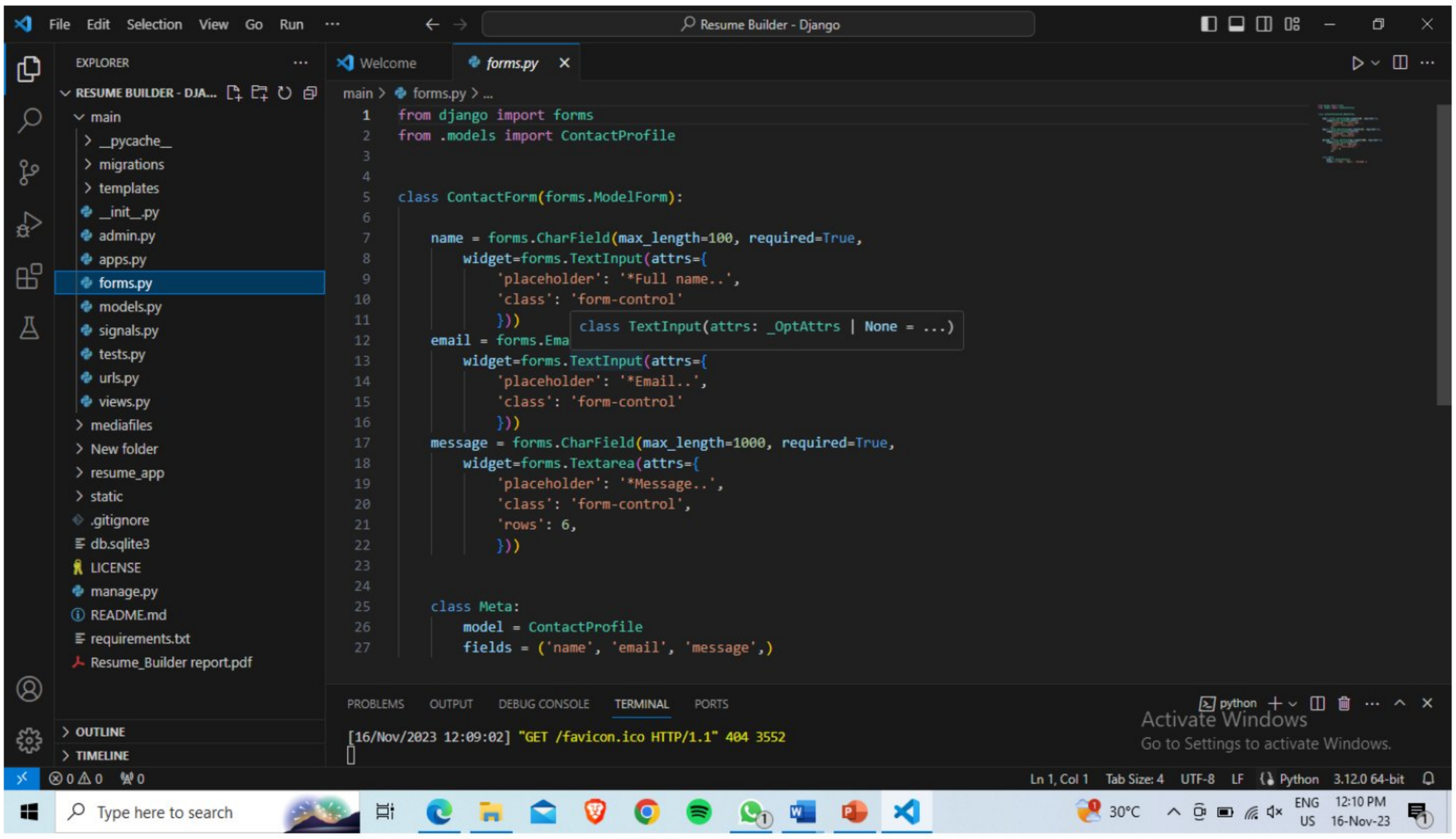
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Welcome
forms.py
main > forms.py > ...
from django import forms
from .models import ContactProfile
class ContactForm(forms.ModelForm):
name = forms.CharField(max_length=100, required=True,
widget=forms.TextInput(attrs={
'placeholder': '*Full name..',
'class': 'form-control'
}))
email = forms.Ema
class TextInput(attrs: _OptAttrs | None = ...)
widget=forms.TextInput(attrs={
'placeholder': '*Email..',
'class': 'form-control'
}))
message = forms.CharField(max_length=1000, required=True,
widget=forms.Textarea(attrs={
'placeholder': '*Message..',
'class': 'form-control',
'rows': 6,
}))
class Meta:
model = ContactProfile
fields = ('name', 'email', 'message',)
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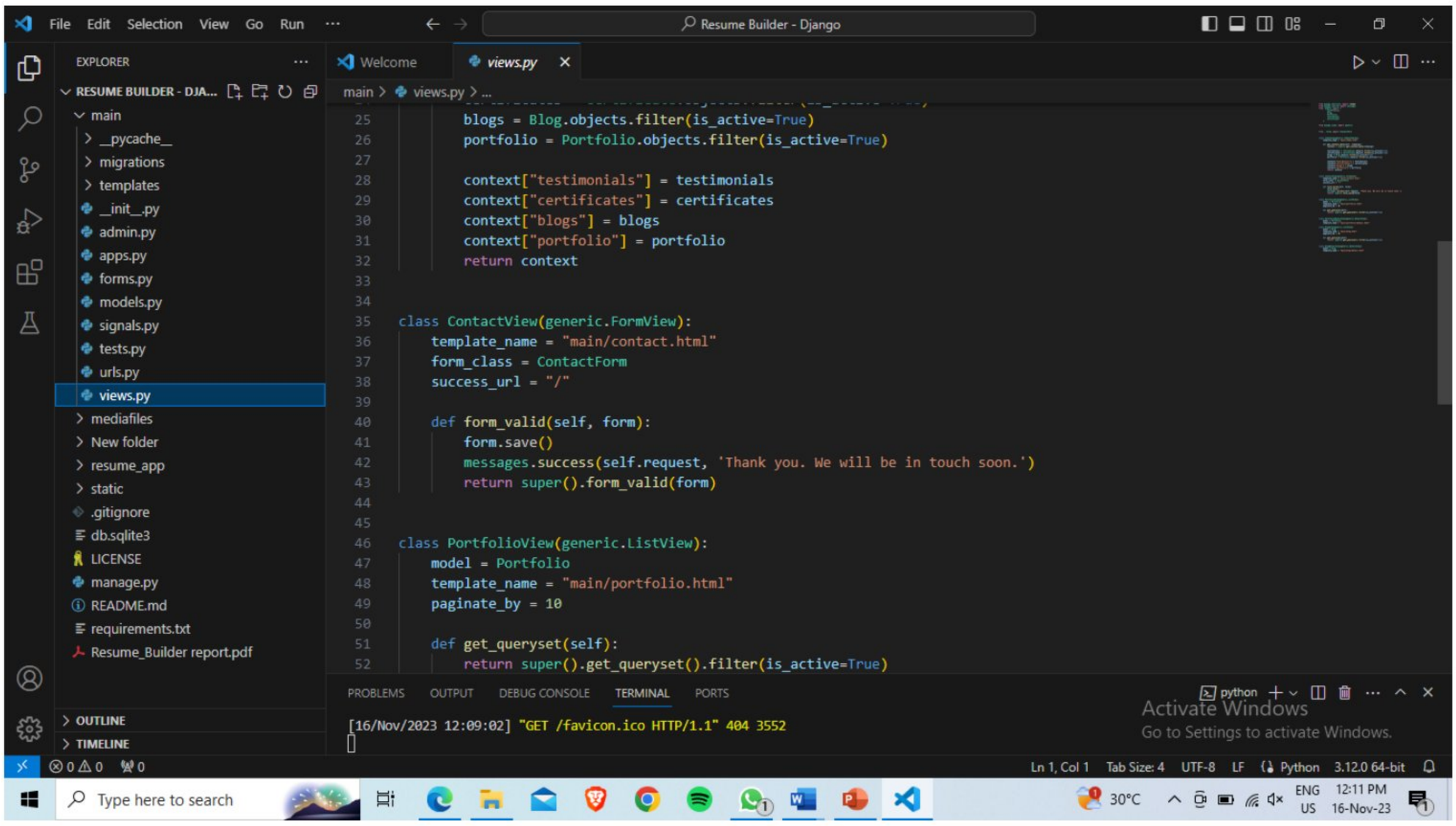
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blogs = Blog.objects.filter(is_active=True)
portfolio = Portfolio.objects.filter(is_active=True)
context["testimonials"] = testimonials
context["certificates"] = certificates
context["blogs"] = blogs
context["portfolio"] = portfolio
return context
class ContactView(generic.FormView):
template_name = "main/contact.html"
form_class = ContactForm
success_url = "/"
def form_valid(self, form):
form.save()
messages.success(self.request, 'Thank you. We will be in touch soon.')
return super().form_valid(form)
class PortfolioView(generic.ListView):
model = Portfolio
template_name = "main/portfolio.html"
paginate_by = 10
def get_queryset(self):
return super().get_queryset().filter(is_active=True)
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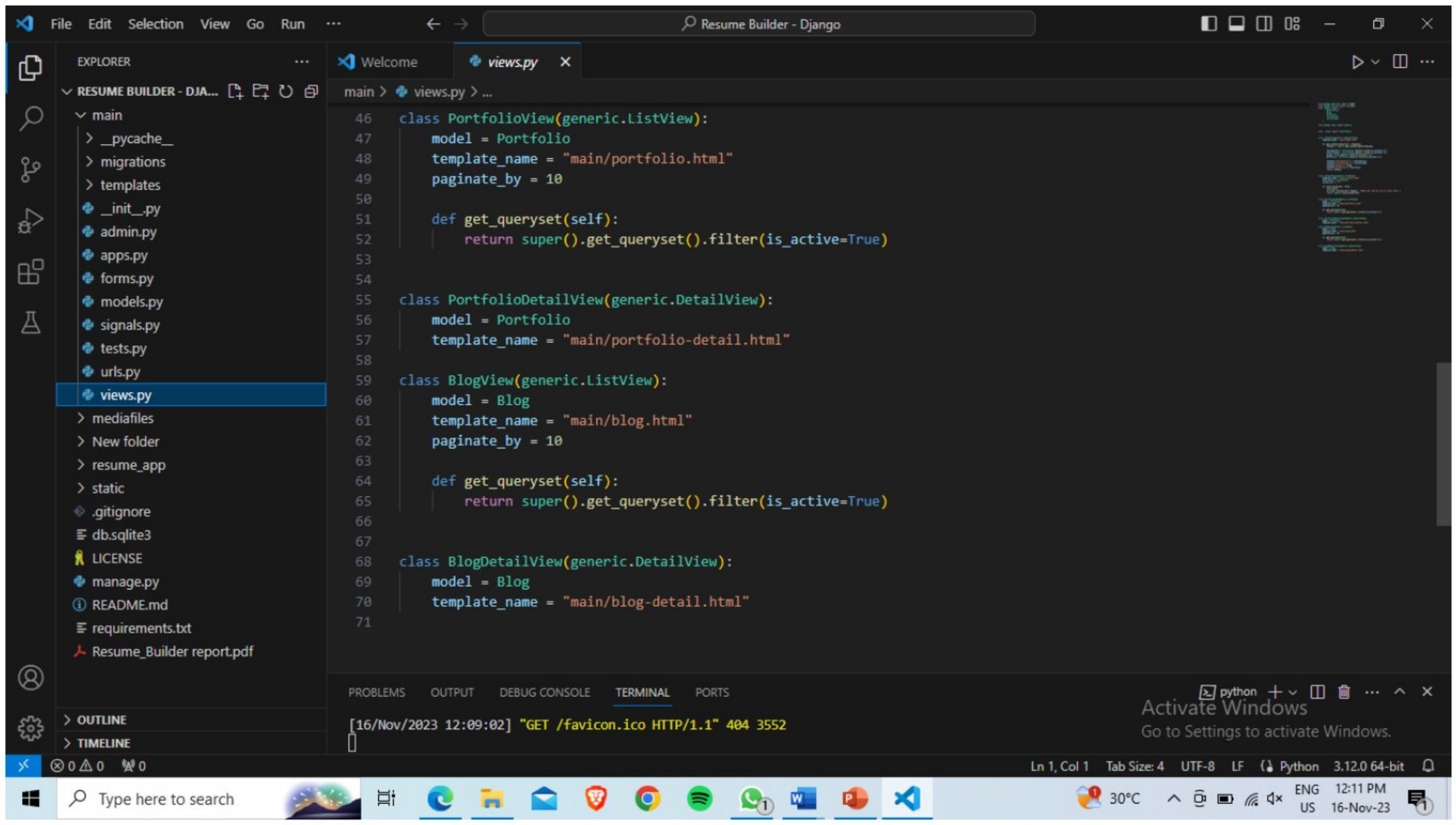
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class PortfolioView(generic.ListView):
model = Portfolio
template_name = "main/portfolio.html"
paginate_by = 10
def get_queryset(self):
return super().get_queryset().filter(is_active=True)
class PortfolioDetailView(generic.DetailView):
model = Portfolio
template_name = "main/portfolio-detail.html"
class BlogView(generic.ListView):
model = Blog
template_name = "main/blog.html"
paginate_by = 10
def get_queryset(self):
return super().get_queryset().filter(is_active=True)
class BlogDetailView(generic.DetailView):
model = Blog
template_name = "main/blog-detail.html"
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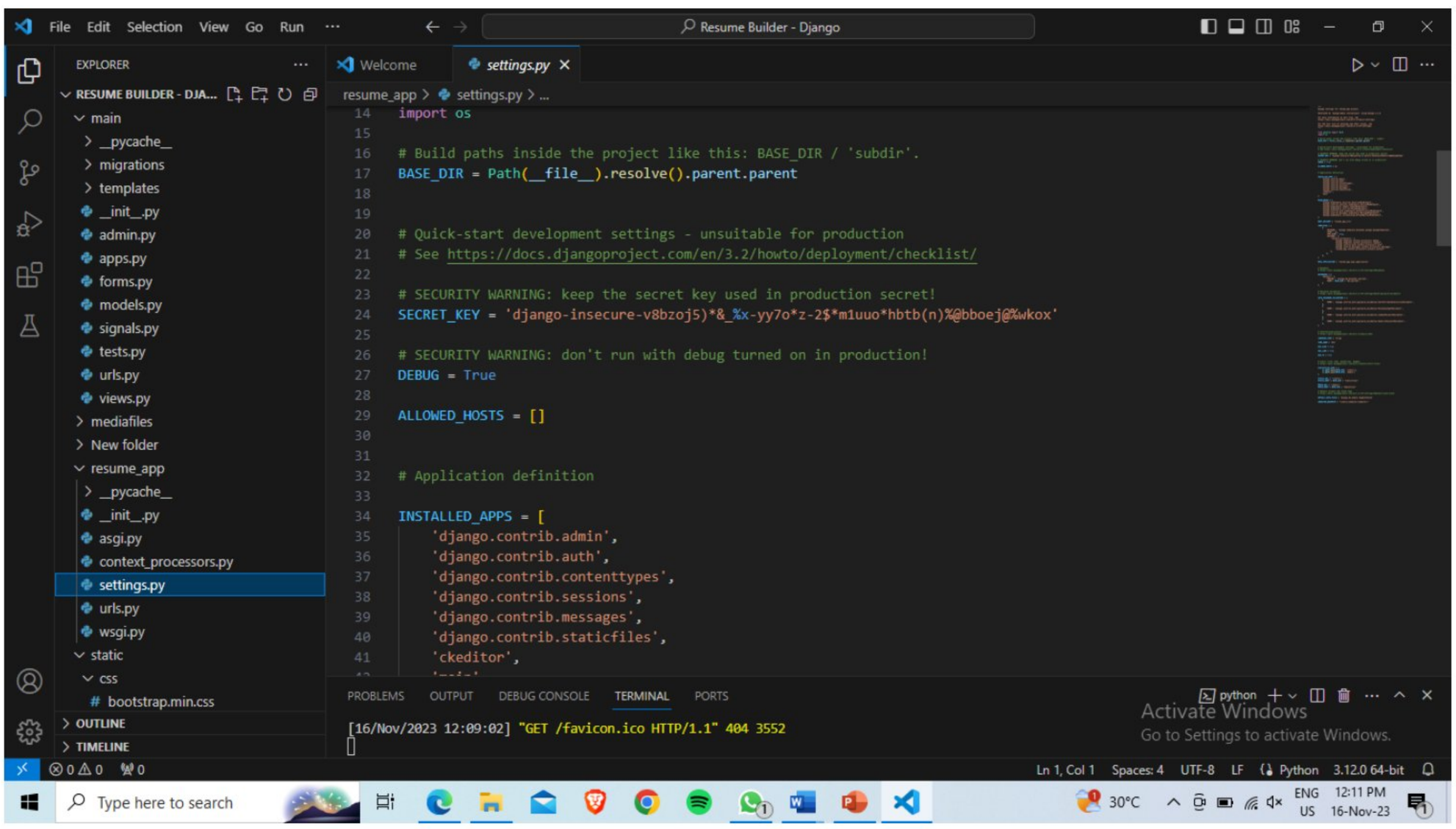
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settings.py
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import os
# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent
# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/3.2/howto/deployment/checklist/
# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = 'django-insecure-v8bzoj5)*&_%x-yy7o*z-2$*m1uuo*hbtb(n)%@bboej@%wkox'
# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True
ALLOWED_HOSTS = []
# Application definition
INSTALLED_APPS = [
'django.contrib.admin',
'django.contrib.auth',
'django.contrib.contenttypes',
'django.contrib.sessions',
'django.contrib.messages',
'django.contrib.staticfiles',
'ckeditor',
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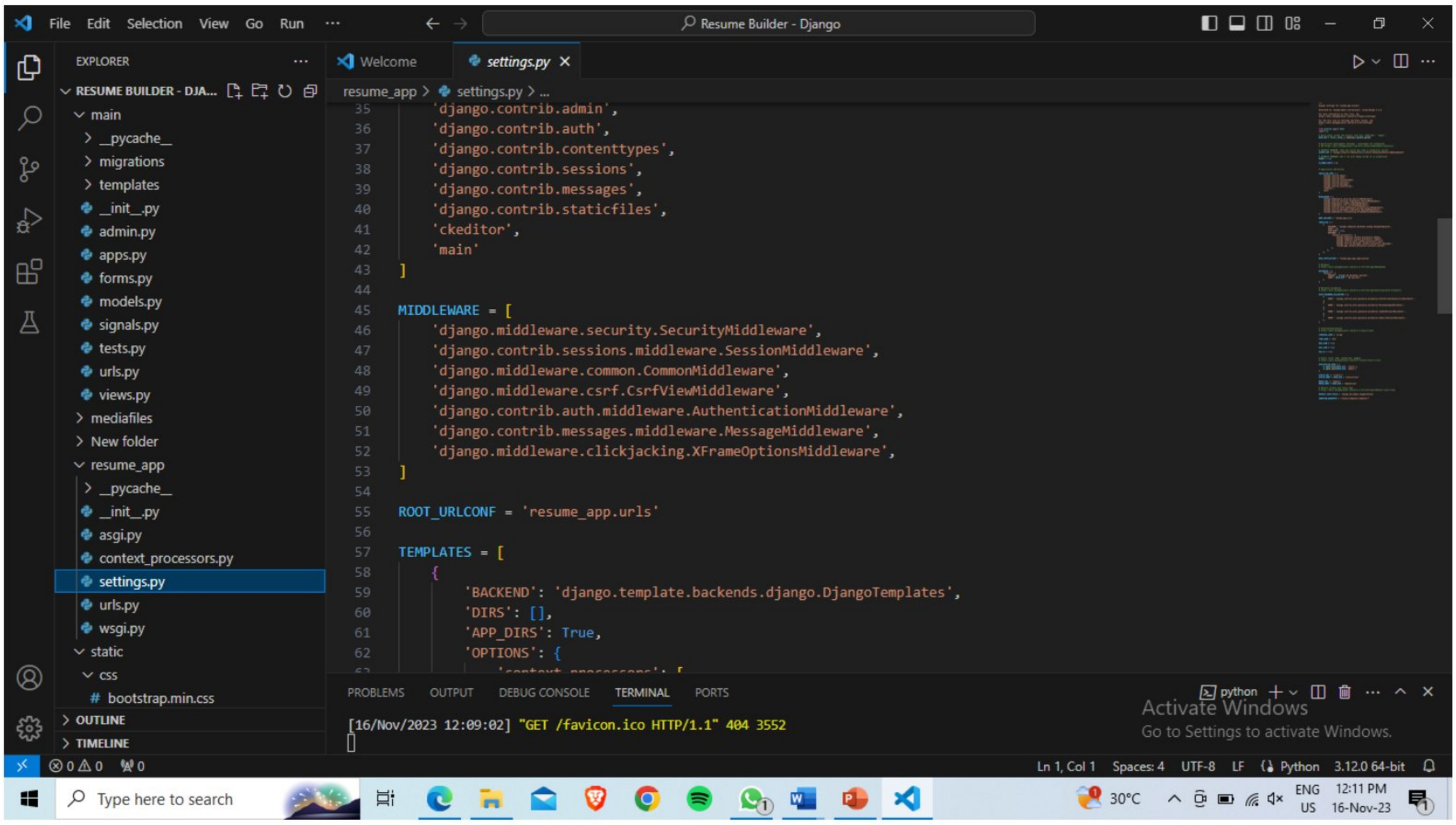
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'django.contrib.auth',
'django.contrib.contenttypes',
'django.contrib.sessions',
'django.contrib.messages',
'django.contrib.staticfiles',
'ckeditor',
'main'
]
MIDDLEWARE = [
'django.middleware.security.SecurityMiddleware',
'django.contrib.sessions.middleware.SessionMiddleware',
'django.middleware.common.CommonMiddleware',
'django.middleware.csrf.CsrfViewMiddleware',
'django.contrib.auth.middleware.AuthenticationMiddleware',
'django.contrib.messages.middleware.MessageMiddleware',
'django.middleware.clickjacking.XFrameOptionsMiddleware',
]
ROOT_URLCONF = 'resume_app.urls'
TEMPLATES = [
{
'BACKEND': 'django.template.backends.django.DjangoTemplates',
'DIRS': [],
'APP_DIRS': True,
'OPTIONS': {
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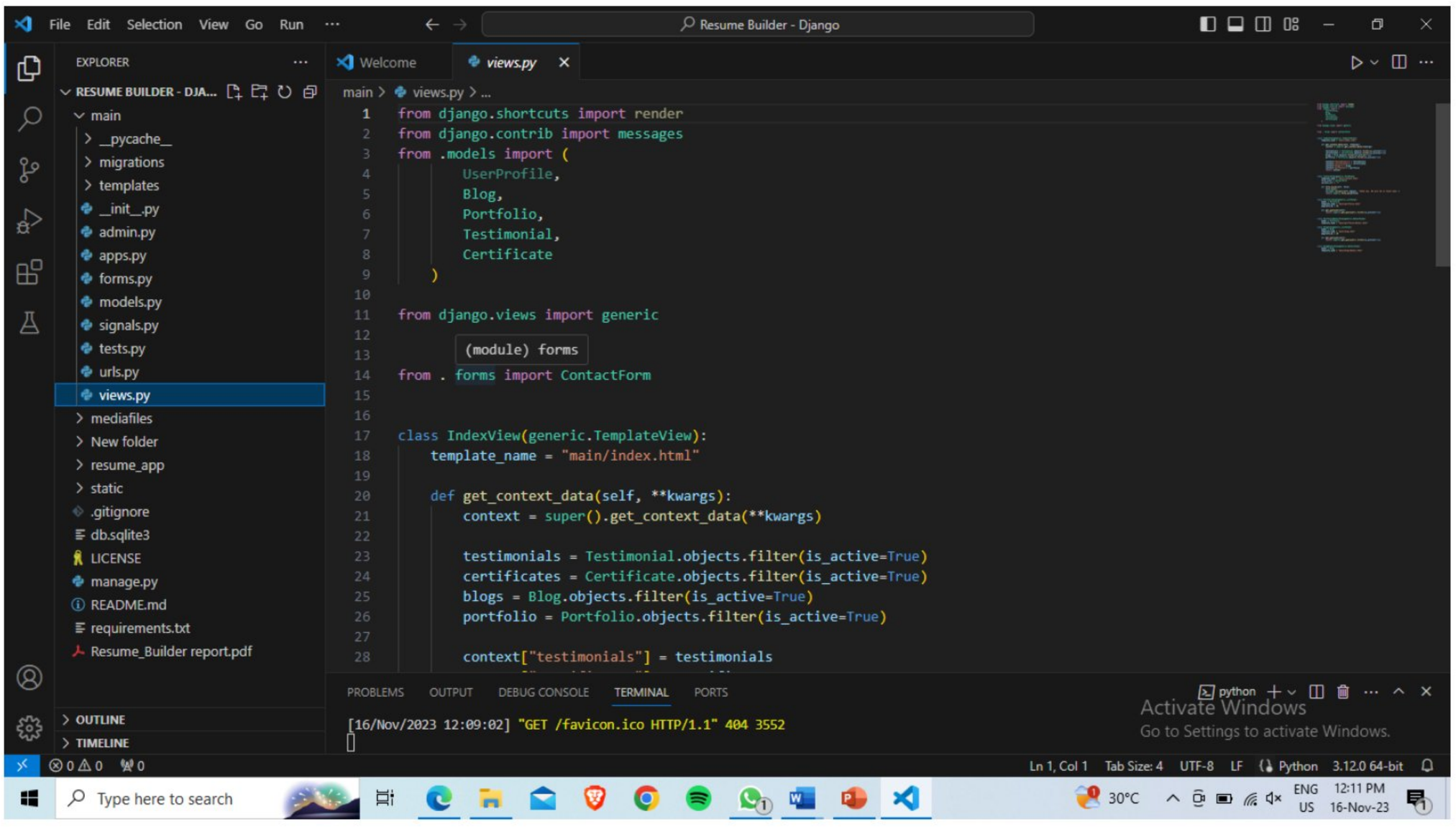
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views.py
main > views.py > ...
from django.shortcuts import render
from django.contrib import messages
from .models import (
UserProfile,
Blog,
Portfolio,
Testimonial,
Certificate
)
from django.views import generic
(module) forms
from . forms import ContactForm
class IndexView(generic.TemplateView):
template_name = "main/index.html"
def get_context_data(self, **kwargs):
context = super().get_context_data(**kwargs)
testimonials = Testimonial.objects.filter(is_active=True)
certificates = Certificate.objects.filter(is_active=True)
blogs = Blog.objects.filter(is_active=True)
portfolio = Portfolio.objects.filter(is_active=True)
context["testimonials"] = testimonials
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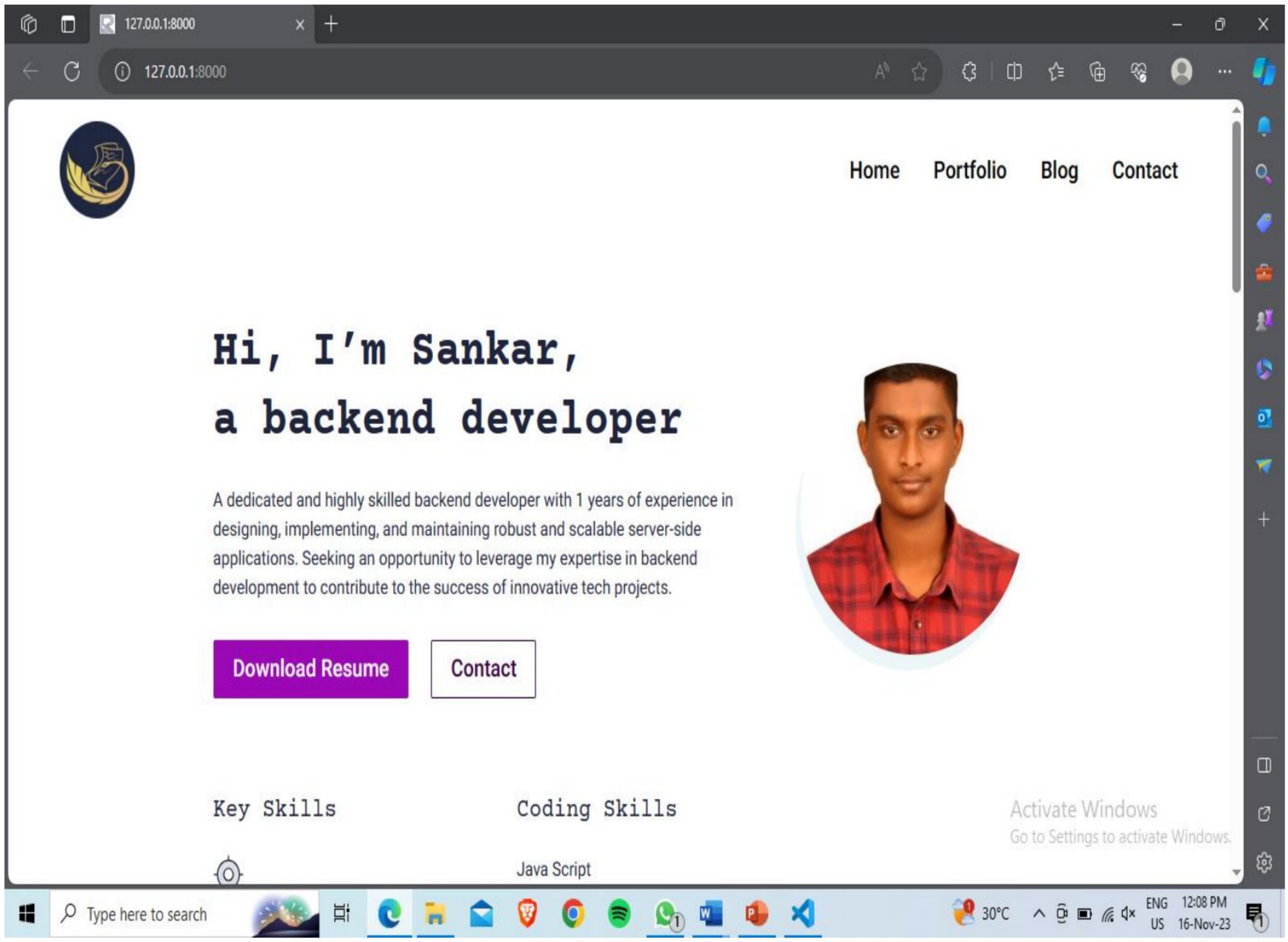
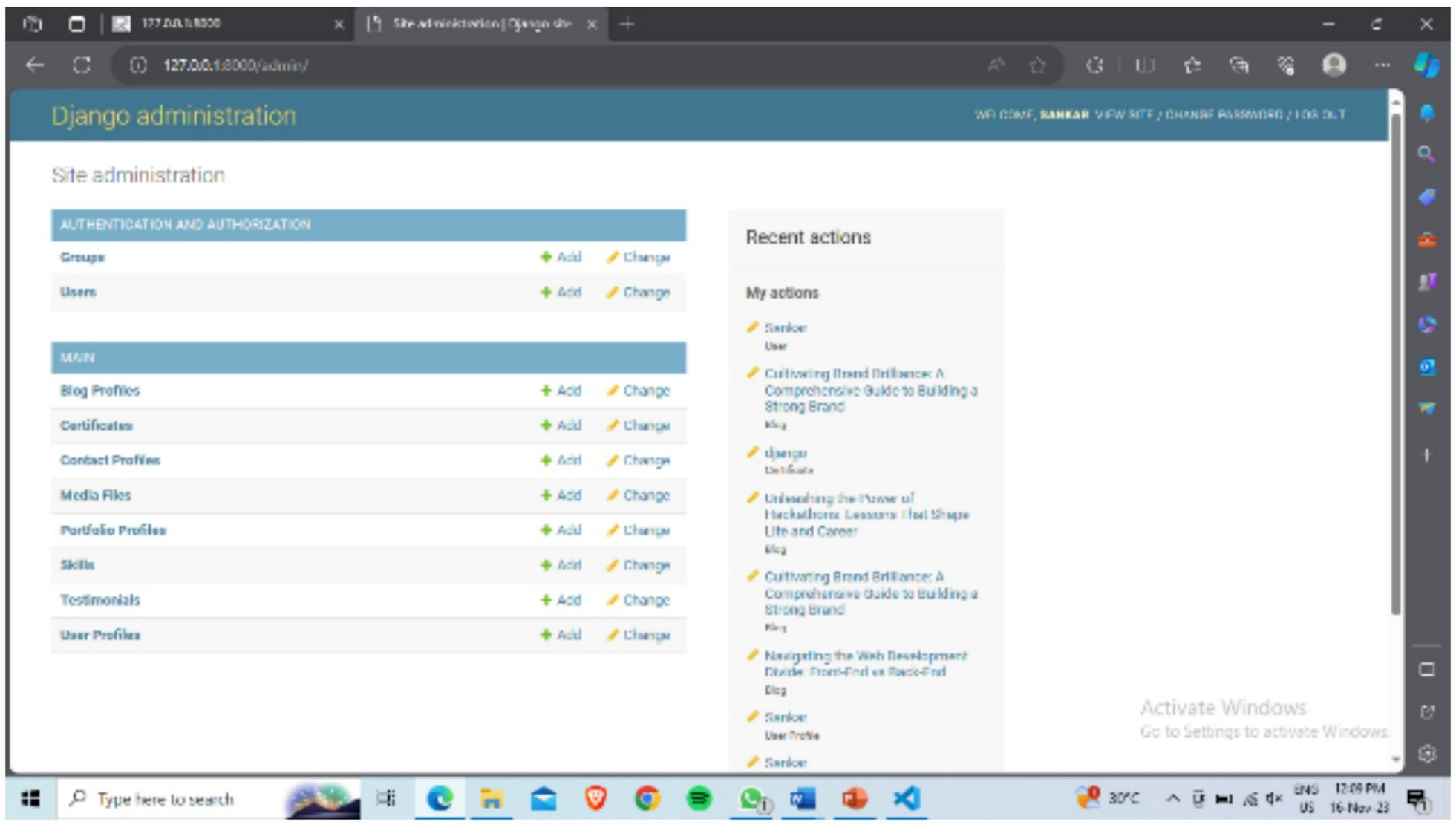
[16/Nov/2023 12:09:02] "GET /favicon.ico HTTP/1.1" 404 3552
Activate Windows
Go to Settings to activate Windows.
Ln 1, Col 1 Tab Size: 4 UTF-8 LF Python 3.12.0 64-bit
Type here to search
30°C
ENG US
12:11 PM
16-Nov-23

RESULTS


127.0.0.1:8000
Home
Portfolio
Blog
Contact
Hi, I'm Sankar,
a backend developer
A dedicated and highly skilled backend developer with 1 years of experience in designing, implementing, and maintaining robust and scalable server-side applications. Seeking an opportunity to leverage my expertise in backend development to contribute to the success of innovative tech projects.
Download Resume
Contact
Key Skills
Coding Skills
Java Script
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C
ENG
US
12:08 PM
16-Nov-23


Django administration
Site administration
AUTHENTICATION AND AUTHORIZATION
Groups
Users
MAIN
Blog Profiles
Certificates
Contact Profiles
Media Files
Portfolio Profiles
Skills
Testimonials
User Profiles
Add
Change
Recent actions
My actions
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C

5. CONCLUSION

Concluding a project involves summarizing its achievements, reflecting on the process, and considering future possibilities. Here's a sample conclusion for a resume builder web application project:

Conclusion:

The development and implementation of the Resume Builder Web Application have been a significant undertaking, resulting in a versatile tool that empowers users to craft professional resumes with ease. The project has achieved several key objectives, meeting user requirements and industry standards. The following highlights encapsulate the journey and outcomes of the project:

1. User-Centric Design:
   The application prioritizes user experience, offering an intuitive interface for creating and customizing resumes. User feedback played a crucial role in refining the design and functionality.

2. Feature-Rich Functionality:
   The Resume Builder includes a comprehensive set of features, from user authentication and resume creation to advanced editing capabilities and export options. The application seamlessly integrates with external platforms and provides users with a diverse range of templates.

3. Scalability and Performance:
   The application has been designed to scale with the growing user base. Performance testing has ensured that the platform remains responsive even under increased load, guaranteeing a smooth user experience.

4. Security Measures:
   Stringent security measures have been implemented to safeguard user data and maintain privacy. Compliance with data protection regulations has been a priority throughout the development process.

5. Collaboration and Connectivity:
   The inclusion of collaborative features allows users to share and edit resumes, fostering teamwork and enhancing the application's utility. Integration with job portals and social media platforms facilitates seamless sharing of resumes.

6. Continuous Improvement:
   Continuous improvement has been a key theme throughout the project lifecycle. Regular updates, bug fixes, and feature enhancements will be rolled out to ensure the application remains current and competitive.

Lessons Learned:
The project presented valuable learning opportunities, from refining requirements through stakeholder collaboration to implementing an effective testing strategy. Iterative development cycles proved essential for adapting to evolving user needs.

Future Prospects:
As we conclude this phase of the project, it's essential to consider future possibilities. This could involve further integration with emerging technologies, expanding the template library, or exploring additional collaboration features. User engagement and feedback will continue to guide the evolution of the Resume Builder Web Application.

In closing, the successful completion of the Resume Builder Web Application project is a testament to the dedication and collaborative efforts of the development team. The application stands as a valuable tool for individuals seeking to present their professional experiences effectively. We look forward to its continued success and the positive impact it will have on users' career journeys.

---

6. REFERENCES

Websites:

1. TENSORFLOW : https://www.tensorflow.org/

2. PYTORCH : https://pytorch.org/

3. SCIKIT : https://scikit-learn.org/stable/index.html

Academic Papers:

4. Resume builder: A Conversational Resume builder based Data Mining and SentimentAnalysis
Authors: Babar Islam, Muddesar Iqbal, George Ubakanma
https://ieeexplore.ieee.org/document/10090342

5. The Rise of Generative Resume builder and Its Impact on employment: The Promises and Perils
Authors: R.M. Alagappan, Anish Kumar S., V. Akshay
https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10109305

6. An Intelligent Web App Resume builder
Authors: Shaziya Banu Shantala Devi Patil
https://ieeexplore.ieee.org/document/9276948

7. Conversational AI: Resume builder
Authors: Siddhant Meshram, Namit Naik, Megha VR, Tanmay More
https://ieeexplore.ieee.org/document/9498508

8. An overview of artificial intelligence based Resume builder Authors: Naz Albayrak, Aydeniz Özdemir, Engin Zeydan
https://ieeexplore.ieee.org/document/8404430

9. A Survey on Resume builder Authors: M. Ganesan, Deepika C., Harievashini B.
https://ieeexplore.ieee.org/document/9262366

10. Resume builder For resume
Authors: Rachana Vannala, S.B. Swathi, Yuvaraj Puranam
https://ieeexplore.ieee.org/document/9908774

10. APPENDIX

Main.py:

```
from django.contrib import admin
from . models import (
UserProfile,
ContactProfile,
Testimonial,
Media,
Portfolio,
Blog,
Certificate,
Skill
)


@admin.register(UserProfile)
class UserProfileAdmin(admin.ModelAdmin):
list_display = ('id', 'user')

@admin.register(ContactProfile)
class ContactAdmin(admin.ModelAdmin):
list_display = ('id', 'timestamp', 'name',)

@admin.register(Testimonial)
class TestimonialAdmin(admin.ModelAdmin):
list_display = ('id','name','is_active')

@admin.register(Media)
class MediaAdmin(admin.ModelAdmin):
list_display = ('id', 'name')

@admin.register(Portfolio)
class PortfolioAdmin(admin.ModelAdmin):
list_display = ('id','name','is_active')
readonly_fields = ('slug',)

@admin.register(Blog)
class BlogAdmin(admin.ModelAdmin):
list_display = ('id','name','is_active')
readonly_fields = ('slug',)

@admin.register(Certificate)
class CertificateAdmin(admin.ModelAdmin):
list_display = ('id','name')

@admin.register(Skill)
class SkillAdmin(admin.ModelAdmin):
list_display = ('id','name','score')
```

```
{% extends 'main/base.html' %}
{% load static %}

<!-- ==================================
Start SEO blocks
================================== -->
{% block title %}{% endblock %}
{% block decription %}{% endblock %}
{% block keywords %}{% endblock %}
<!-- ==================================
END SEO blocks
================================== -->

<!-- ==================================
Start CSS blocks
================================== -->
{% block extend_header %}{% endblock %}
<!-- ==================================
END CSS blocks
================================== -->

<!-- ==================================
Start script blocks
================================== -->
{% block extend_footer %}{% endblock %}
<!-- ==================================
END script blocks
================================== -->

<!-- ==================================
Start Content
================================== -->
{% block content %}
<section>
  <div class="bannerSection">
    <div class="container">
<div class="row g-4 g-md-3  align-items-center">
  <div class="col-md-auto order-md-last">
    <div class="bannerUserImg">
      <img src="{{me.userprofile.avatar.url}}" alt="{{me.first_name|title}} {{me.last_name|title}} avatar">
    </div>
  </div>
  <div class="col-md">
    <div class="bannerContent">
      <h1 class="xlTitle pb-3">Hi, I’m {{me.first_name|title}}, <br> a {{me.userprofile.title}} </br></h1>
      <p>{{me.userprofile.bio}}</p>
      <div class="bannerBtnCol">
        <div class="row">
          <div class="col-auto">
            <a download href="{{me.userprofile.cv.url}}" class="btn btnPrimary">Download Resume</a>
          </div>
          <div class="col-auto">
```

```
                <a href="{% url 'main:contact' %}" class="btn btnOutline">Contact</a>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</section>

<section>
  <div class="sectionSpace pt-0">
    <div class="container">
      <div class="row">
        <div class="col-md-auto">
          <div class="keySkillCol">
<h4 class="smTitle pb-3">Key Skills</h4>
<div class="keySkillCard">
  <div class="ksIconCol">
    <img src="{% static 'images/key-skill-icon-1.svg' %}" alt="...">
  </div>
  <span class="ksText">Java Script</span>
</div>
<div class="keySkillCard">
  <div class="ksIconCol">
    <img src="{% static 'images/key-skill-icon-2.svg' %}" alt="...">
  </div>
  <span class="ksText">Web Development</span>
</div>
<div class="keySkillCard">
  <div class="ksIconCol">
    <img src="{% static 'images/key-skill-icon-3.svg' %}" alt="...">
  </div>
  <span class="ksText">Java</span>
</div>
          </div>
        </div>
        <div class="col-md">
          <h4 class="smTitle pb-3">Coding Skills</h4>
          <div class="progressCol">
            <div class="progressCard">
              <div class="progressCol">
                <span class="progressLbl">Java Script</span>
                <div class="row g-2 align-items-center">
                  <div class="col">
                    <div class="progress progressStyle">
                      <div class="progress-bar" role="progressbar" style="width: 95%" aria-valuenow="95" aria-
valuemin="0" aria-valuemax="100"></div>
                    </div>
                  </div>
                  <div class="col-auto">
```

```
                <span class="pLbl">95%</span>
               </div>
              </div>
             </div>
             <div class="progressCol">
              <span class="progressLbl">Web Development</span>
              <div class="row g-2 align-items-center">
               <div class="col">
                <div class="progress progressStyle">
                 <div class="progress-bar" role="progressbar" style="width: 90%" aria-valuenow="90" aria-
valuemin="0" aria-valuemax="100"></div>
                </div>
               </div>
               <div class="col-auto">
                <span class="pLbl">90%</span>
               </div>
              </div>
             </div>
             <div class="progressCol">
              <span class="progressLbl">Java</span>
              <div class="row g-2 align-items-center">
               <div class="col">
                <div class="progress progressStyle">
                 <div class="progress-bar" role="progressbar" style="width: 85%" aria-valuenow="85" aria-
valuemin="0" aria-valuemax="100"></div>
                </div>
               </div>
               <div class="col-auto">
                <span class="pLbl">85%</span>
               </div>
              </div>
             </div>
             <div class="progressCol">
              <span class="progressLbl">Python</span>
              <div class="row g-2 align-items-center">
               <div class="col">
                <div class="progress progressStyle">
                 <div class="progress-bar" role="progressbar" style="width: 75%" aria-valuenow="75" aria-
valuemin="0" aria-valuemax="100"></div>
                </div>
               </div>
               <div class="col-auto">
                <span class="pLbl">75%</span>
               </div>
              </div>
             </div>
            </div>
           </div>
          </div>
         </div>
        </div>
       </div>
      </div>
     </div>
    </div>
   </div>
  </div>
 </div>
```

```
</section>

<section>
  <div class="sectionSpaceSm lightBg">
    <div class="container">
      <div class="row pb-3">
        <div class="col">
          <h4 class="smText regular">Certificates</h4>
        </div>

      </div>
      <div class="sliderOuter">
        <div class="swiper certificatesSlider">
          <div class="swiper-wrapper">
            {% for c in certificates %}
            {% if c.is_active %}
            <div class="swiper-slide">
      <div class="cardStyle1">
        <h4 class="mdTitle cs1Title">
          <a href="javascript:void(0)">{{c.title}}</a>
        </h4>
        <ul class="cardOptionCol">
          <li>{{c.date.date}}</li>
          <li>{{c.name|title}}</li>
        </ul>
        <p>{{c.description}}</p>
      </div>
    </div>
    {% endif %}
    {% endfor %}

  </div>
</div>
<div class="cert-swiper-button-next swiper-button-next swiperBtnStyle"></div>
<div class="cert-swiper-button-prev swiper-button-prev swiperBtnStyle"></div>
<div class="swiper-pagination swiperPaginationStyle posInitial"></div>
      </div>
    </div>
  </div>
</section>

<section>
  <div class="sectionSpace">
    <div class="container">
      <div class="portfolioCol">
        <div class="row pb-3">
          <div class="col">
            <h4 class="smText regular">Featured Work</h4>
          </div>
          <div class="col-auto">
            <a href="{% url 'main:portfolios' %}" class="simpleLink">View all</a>
          </div>
```

```
</div>
{% for p in portfolio %}
{% if p.is_active %}
<div class="portfolioCard">
  <div class="row g-4 align-items-center">
    <div class="col-md-auto">
      <div class="portfolioImgCol">
        <a href="{% url 'main:portfolio' slug=p.slug %}"><img src="{{p.image.url}}" alt="..."></a>
      </div>
    </div>
    <div class="col-md">
      <div class="portfolioContentCol">
        <h4 class="lgTitle"><a href="{% url 'main:portfolio' slug=p.slug %}">{{p.name}}</a></h4>
        <ul class="portfolioOption">
          <li><span class="dateLbl">{{p.date.year}}</span></li>
        </ul>
        <p>{{p.description}}</p>
      </div>
    </div>
  </div>
  {% endif %}
  {% endfor %}

</div>
<div class="testimonialCol">
  <h4 class="smText regular d-block">Testimonials</h4>
  <div class="testimonialSlider">
    <div class="swiper testimonialSwiper">
      <div class="swiper-wrapper">
        {% for t in testimonials %}
        {% if t.is_active %}
        <div class="swiper-slide">
          <div class="testimonialCard">
            <div class="row align-items-center">
              <div class="col-sm-auto">
                <div class="tImgCol">
                  <img src="{{t.thumbnail.url}}" alt="...">
                </div>
              </div>
              <div class="col-sm">
                <div class="tContentCol">
                  <h4 class="xsTitle bold">{{t.name}} - {{t.role}}</h4>
                  <p>{{t.quote}}</p>
                </div>
              </div>
            </div>
          </div>
        </div>
        {% endif %}
        {% endfor %}
```

```
            </div>
            <div class="test-swiper-button-next swiper-button-next swiperBtnStyle"></div>
            <div class="test-swiper-button-prev swiper-button-prev swiperBtnStyle"></div>
          </div>


        </div>
      </div>
    </div>
  </div>
</section>

<section>
  <div class="sectionSpaceSm lightBg">
    <div class="container">
      <div class="row pb-3">
        <div class="col">
          <h4 class="smText regular">Recent posts</h4>
        </div>
        <div class="col-auto">
          <a href="{% url 'main:blogs' %}" class="simpleLink">View all</a>
        </div>
      </div>
      <div class="row g-3">
      {% for b in blogs %}
      {% if b.is_active %}
        <div class="col-lg-6">
          <div class="cardStyle1">
            <h4 class="mdTitle cs1Title"><a href="{% url 'main:blog' slug=b.slug %}">{{b.name}}</a></h4>
            <ul class="cardOptionCol">
              <li>{{b.timestamp.date}}</li>
              <li>{{b.author}}</li>
            </ul>
            <p>{{b.description}}</p>
          </div>
        </div>
        {% endif %}
        {% endfor %}

      </div>
    </div>
  </div>
</section>
{% endblock %}
<!-- ================================
End Content
================================ -->
```