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INSTITUTE OF SCIENCE & TECHNOLOGY
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SRM INSTITUTE OF SCIENCE AND TECHNOLOGY FACULTY
OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 21CSC203P
MINOR PROJECT

RESUME BUILDER



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01

Introduction



Introduction

In today's competitive job market, a professionally crafted resume can make all the difference in securing a desired job or internship. With the digital age in full swing, the demand for online tools and platforms to create, edit, and share resumes has never been greater. This is where our "**Resume Builder Web Application**" project, built using **Django**, comes into play.

Our project aims to provide an intuitive and user-friendly web application that empowers individuals to effortlessly create and manage their resumes online. By leveraging the power of Django, a high-level Python web framework, we combine flexibility, scalability, and robustness to offer an all-in-one solution for crafting resumes that stand out from the crowd.



Challenges of the project

Creating a resume builder using Django can be a great project, but like any software development endeavor, there are challenges and limitations that you should be aware of. Here are some of the key challenges you might encounter:

- ❑ Complexity of Resume Content
- ❑ User Interface Design
- ❑ Data Validation and Integrity
- ❑ Customization
- ❑ Data Storage and Security
- ❑ Resume Generation
- ❑ Export Formats
- ❑ Integration with Third-Party Services
- ❑ Scalability
- ❑ Testing and Validation

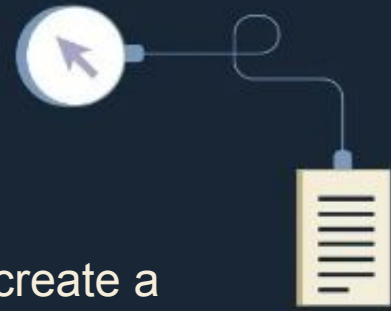


Limitations of the project

Creating a resume builder using Django can be a great project, but like any software development endeavor, there are challenges and limitations that you should be aware of. Here are some of the key limitations you might encounter:

- ❑ Skill Set Requirements
- ❑ Content Complexity
- ❑ Maintenance
- ❑ Limited AI Integration
- ❑ Hosting and Deployment
- ❑ User Adoption
- ❑ Legal Considerations



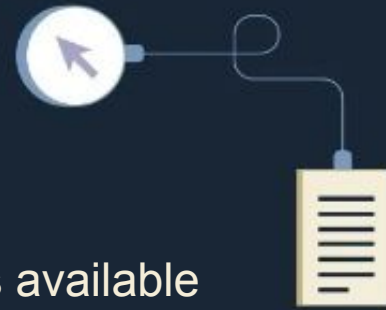


Objective of the project

The primary objective of the Online Resume Builder project is to create a user-centric, efficient, and versatile web application using Django that empowers individuals in their professional journeys by facilitating the creation and management of compelling resumes.

The project aims to achieve the following specific objectives:

- ❑ User Empowerment
- ❑ Customization
- ❑ Efficiency
- ❑ Versatility
- ❑ Data Security
- ❑ Accessibility
- ❑ Collaboration
- ❑ Continuous Improvement
- ❑ Scalability
- ❑ Community Engagement



Innovation Idea of the project

- ❑ Creating a super-user who has all the access to the options available to change the resume content.
- ❑ A downloadable resume embedded with NO OCR format in order to change the resume for later use.
- ❑ A next tab like structure inbuilt to toggle through the blogs posted by the user and the projects done by the user.
- ❑ This has an option to open the social media id such as Facebook, Instagram of the user through the logo of the app.
- ❑ This is also able to open the Linkedin id and Github id of the user as same as the social media applications.

Main Features



User-Friendly Editor



Data Security



Responsive Design



Resume Templates



Hardware & 02 Software Requirements



Hardware Requirements

Ram	: 8 GB
Storage	: 500GB
CPU	: 2 GHz or faster
Architecture	: 64-Bit
GPU	: Basic or higher

Software & Module Requirements

Operating System: Windows 8 and above

Visual Studio Code to run the program

Modules:

- ❑ Virtualenv-wrapper
- ❑ Django
- ❑ Urls
- ❑ Pillow
- ❑ django-ckeditor

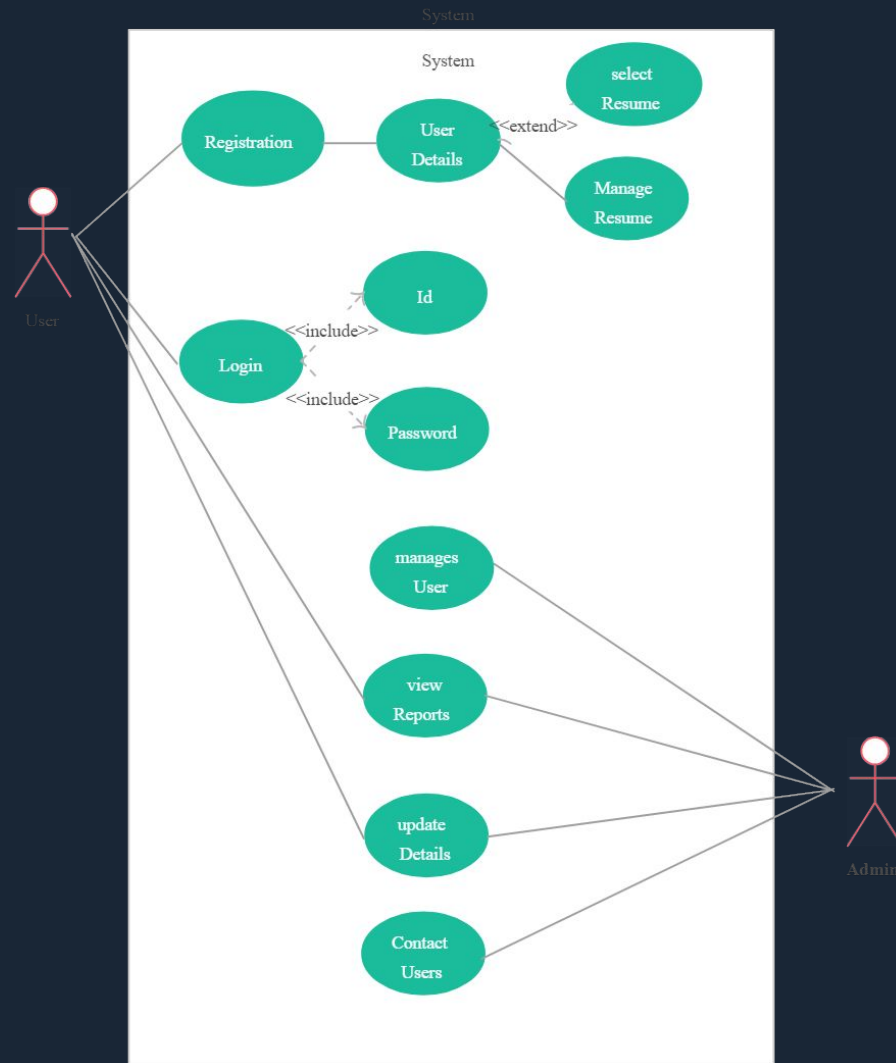


03

UML Diagrams



Use Case Diagram



04 Creating WEB Application





Deploying the WEB App using Django

Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.

- Firstly use the Virtual environment using the following command:

```
o C:\Users\Master\Desktop\resume_app-main>workon Resume_demo  
(resume_demo) C:\Users\Master\Desktop\resume_app-main>
```

- Then, make the migrations in order to create the database tables:

```
python manage.py makemigrations  
python manage.py migrate
```


- Then, finally run the code to start the webpage in the localhost:

```
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Master\Desktop\resume_app-main>workon Resume_demo
(resume_demo) C:\Users\Master\Desktop\resume_app-main>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
October 26, 2023 - 23:07:26
Django version 3.2.22, using settings 'resume_app.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
█
```

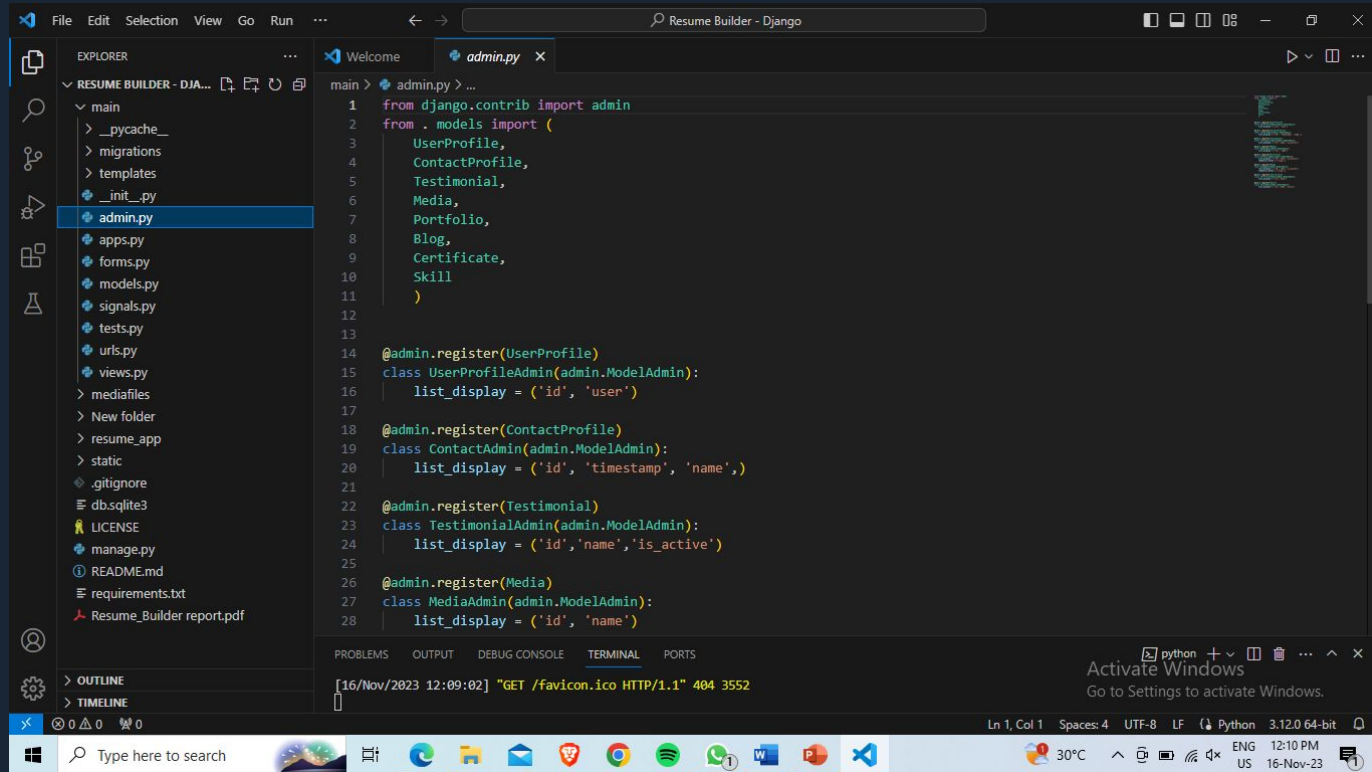
After initiating, click the link in order to open the localhost in web browser.



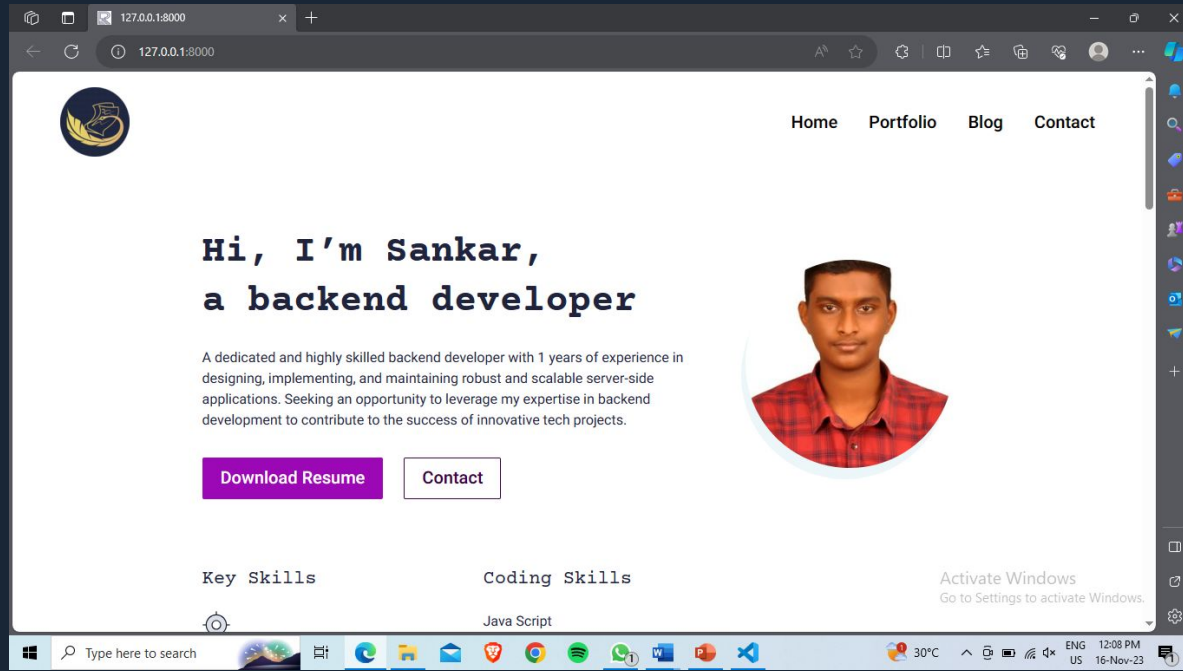


05 Results & Screenshots

Website opened in the web browser's localhost



Admin or the superuser access:





Thanks!



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