MYSORE UNIVERSITY SCHOOL OF ENGINEERING

Manasagangotri campus, Mysuru-570006

(Approved by AICTE, New Delhi)

UNIVERSITY OF MYSORE

A Assignment(21CD71,Full Stack Development) Report

On

"SECURE JOB APPLICATION FORM USING DJANGO"

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FULL STACK DEVELOPMENT - 21CD71

ASSIGNMENT 01: *SECURE JOB APPLICATION FORM USING DJANGO.*

Question: Implement a Secure Job Application Form using Django where:

- *Applicants can submit their name, email, phone number, resume (PDF only), and a cover letter.*
- *The application form should be implemented using Django Model Forms and should validate:*
- *The resume file is in PDF format only.*
- *The phone number contains exactly 10 digits.*
- *Store all applications in a database and allow the admin to view, shortlist, or reject applications.*
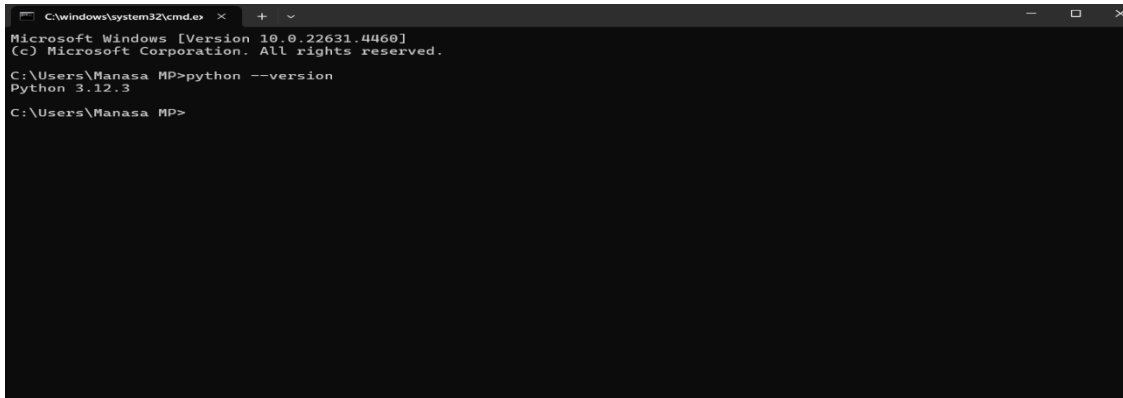- *Implement CSRF protection for the form submission.*

Prerequisites:

- *Operating System: Windows/Linux/MacOS.*
- *Internet connection.*

Steps: 1. Install Python:

- *Download the latest version of Python from the official website.*
- *Run the installer and ensure the option "Add Python to PATH" is checked. This makes Python accessible from any terminal window. Verify installation by opening a terminal and running:*

python –version

- *We should see the installed Python version.*

2. Install Django:

● *Open a terminal and install Django using pip (Python's package manager):*

pip install Django

● *Verify installation:* **python -m django –version**

● *This ensures Django has been installed successfully.*

3. Install Visual Studio Code (VS Code):

● *Download VS Code from the official website.*

● *Install the software by following the on-screen instructions.*

● *Once installed, add the Python and Django extensions in VS Code for features like syntax highlighting and debugging support.*

4. Verify All Installations: *Open VS Code, create a new terminal, and check the Python and Django versions using the commands shown above. Ensure everything is correctly set up before proceeding.*

"SECURE JOB APPLICATION FORM USING DJANGO"

Step 01: *Applicants can submit their name, email, phone number, resume (PDF only), and a cover letter.*

Name: [ ]

Email: [ ]

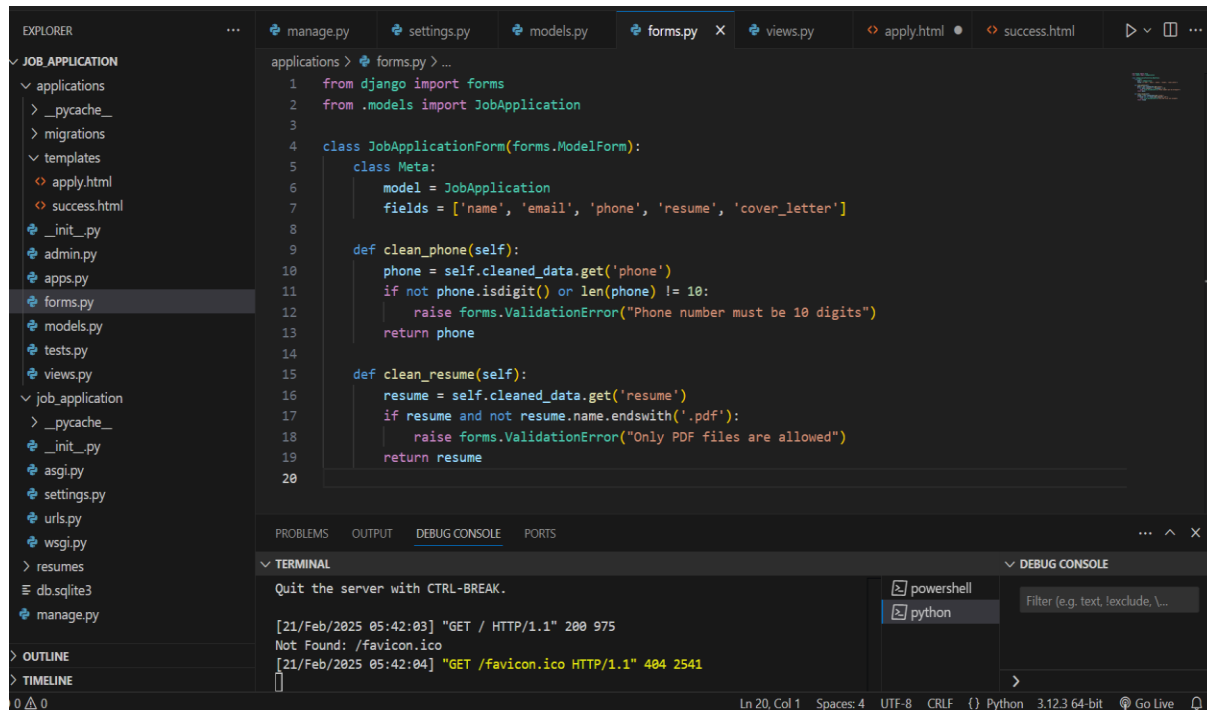Phone: [ ]

Resume: [Choose File] No file chosen
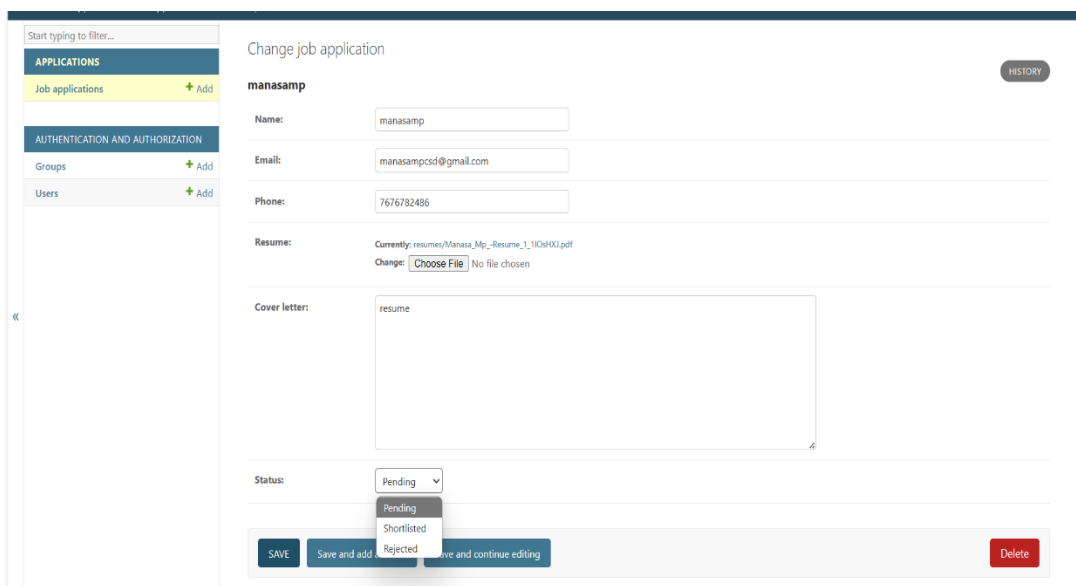
Cover letter: [ ]

[Apply]

Step 02: *The application form should be implemented using Django Model Forms and should validate:*

- *The resume file is in PDF format only.*
- *The phone number contains exactly 10 digits.*

Step 03: *Store all applications in a database and allow the admin to view, shortlist, or reject applications.*

Step 04: *Implement CSRF protection for the form submission.*


```html
<form method="POST" enctype="multipart/form-data">
    {% csrf_token %}
    {{ form.as_p }}
    <button type="submit">Apply</button>
</form>
```