

#### MYSORE UNIVERSITY SCHOOL OF ENGINEERING



Manasagangotri campus, Mysuru-570006 (Approved by AICTE, New Delhi)

#### **UNIVERSITY OF MYSORE**

## An Assignment (21CD71, Full Stack Development) Report

#### **Submitted By**

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## **FULL STACK DEVELOPMENT - 21CD71**

## SECURE JOB APPLICATION FORM USING DJANGO

# Ques: Implement a Secure Job Application Form using Django

- 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

```
C:\Users\Manasa MP>pip install django

Defaulting to user installation because normal site-packages is not writeable

Requirement already satisfied: django in c:\users\manasa mp\appdata\roaming\python\python312\site-packages (5.1.5)

Requirement already satisfied: asgiref<4,>=3.8.1 in c:\users\manasa mp\appdata\roaming\python\python312\site-packages (f
rom django) (3.8.1)

Requirement already satisfied: sqlparse>=0.3.1 in c:\users\manasa mp\appdata\roaming\python\python\python312\site-packages (fro
m django) (0.5.3)

Requirement already satisfied: tzdata in c:\users\manasa mp\appdata\roaming\python\python312\site-packages (from django)
(2025.1)

[notice] A new release of pip is available: 25.0 -> 25.0.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Manasa MP>
```

• Verify installation: python -m django -version

```
C:\Users\Manasa MP>python -m django --version
5.1.5
C:\Users\Manasa MP>
```

• 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.

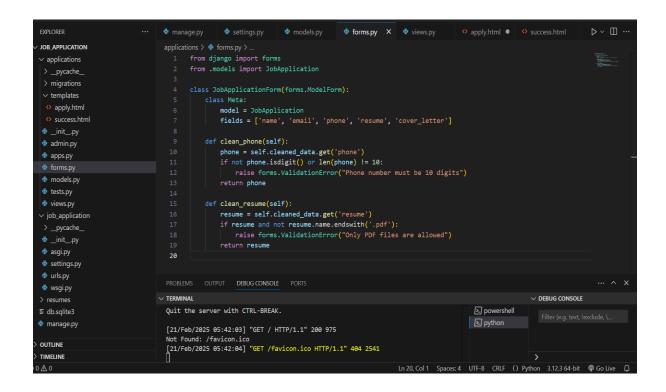
## "SECURE JOB APPLICATION FORM USING DJANGO"

**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

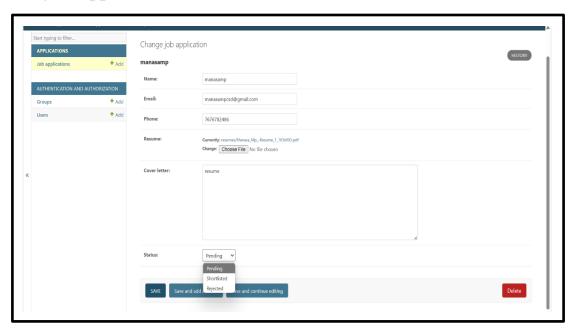
# **Step 02:**

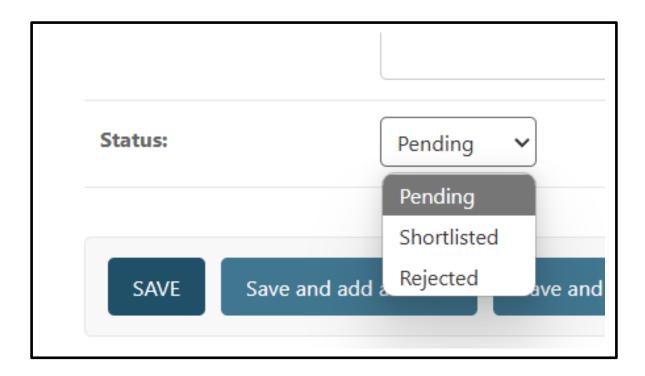
- The application form should be implemented using Django Model Forms and should validate:
- The resume file is in PDF format only.
- The phone number contains exactly 10 digits.



# **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.

```
e settings.py
e models.py
e forms.py
e views.py
o apply.html
o success.html
e urls.py
e a □ ···

applications > templates > o apply.html > ...

form method="POST" enctype="multipart/form-data">

{% csrf_token %}

{ form.as_p }}

obutton type="submit">Apply</button>

obutton type="submit">Apply</br/>
obutton type="submit">Apply</br>
obutton type="submit">Apply</by
```

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