

Let's Understand

Soft Delete In Django



Understand soft delete

Soft delete means, not deleting the record from table instead of that just mark it as a delete, by adding boolean field in models.

Let's create model

We will create a student model here with name, email and one delete boolean field

```
from django.db import models

class Student(models.Model):
    name = models.CharField(max_length=100)
    email = models.EmailField(max_length=200)
    delete = models.BooleanField(default=False)
```

Here we have create a delete as boolean field, if we want a soft delete we can set this field value as a True.

Let's create custom manager for soft delete

We will create a custom manager for our student model and here we override the get_queryset method of the manager to filter out records where the delete field is set to True.

Custom Manager

```
from django.db import models

class SoftDeleteManager(models.Manager):
    def get_queryset(self):
        # Filter out soft-deleted records
        return super().get_queryset().filter(delete=False)

class Student(models.Model):
    name = models.CharField(max_length=100)
    email = models.EmailField(max_length=200)
    delete = models.BooleanField(default=False)

    objects = SoftDeleteManager()
```

Here we have added
our manager

Here we have created a custom
manager and override the
get_queryset method to filter
out the data

Conclusion

Soft delete is very useful, when we
don't want to delete the records
permanently from the database.

By doing this way we can achieve
soft delete in django

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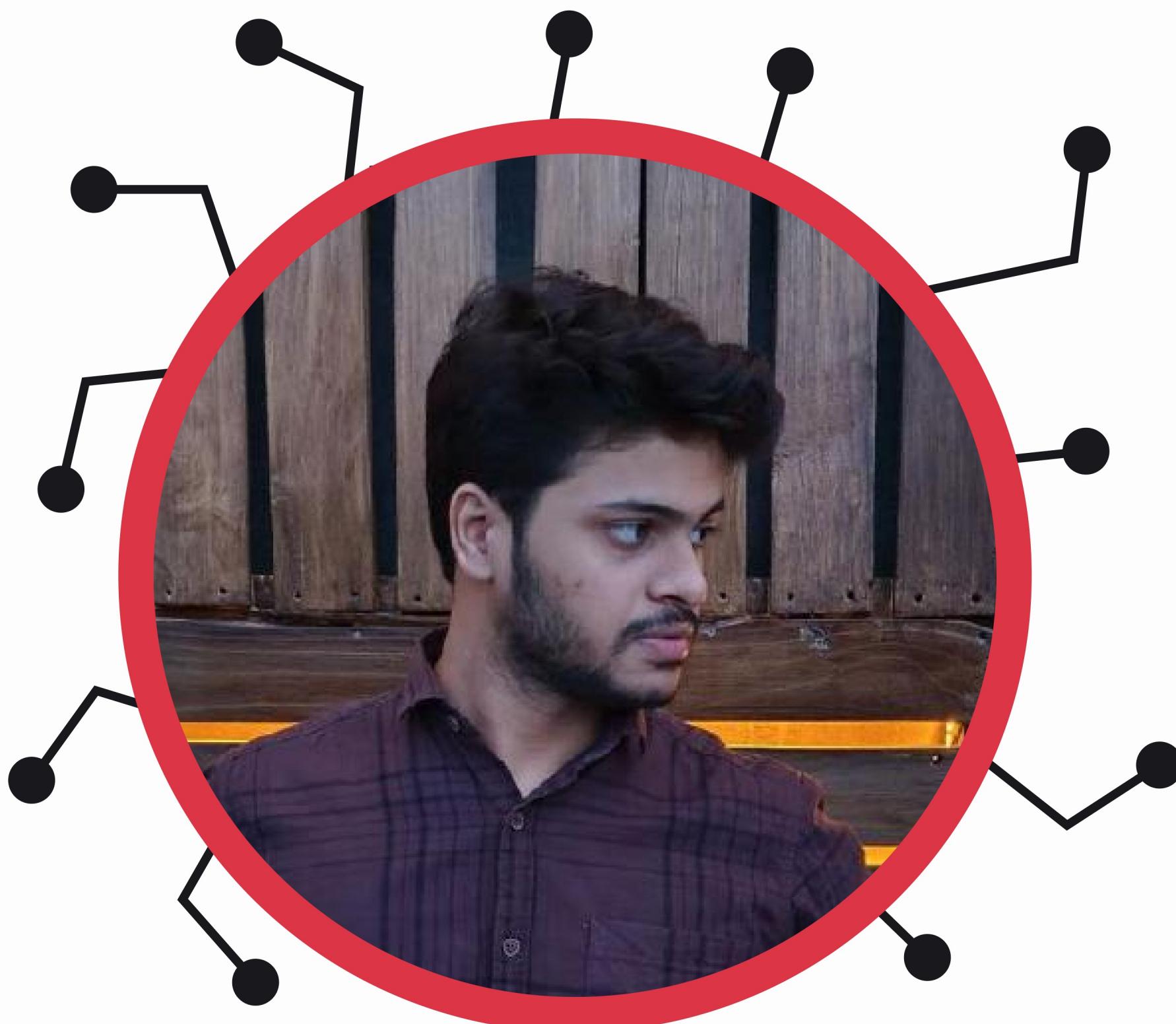
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