# Project Title: Flask & MongoDB Atlas Integration (Beginner Level)

#### ✓ Overview

- Brief about what the project does
- Technologies used: Flask, MongoDB Atlas, PyMongo, HTML

# Project Structure

project/		
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<del>  —</del> арр.ру		
├── data.json		
requirements.txt		
L— templates/		
form.html		
└── success.html		

# Step-by-Step Setup

#### 1. Install Dependencies

pip install flask pymongo

#### 2. MongoDB Atlas Setup

- Created free cluster at mongodb.com
- · Added DB user and whitelisted my IP
- Connection string used:

mongodb+srv://<user>:<pass>@cluster0.mongodb.net/flaskdb?retryWrites=true&w=majority

## app.py Code Explained

- /api : Returns data from data.json
- /: Loads form
- /submit : Submits data to MongoDB Atlas
- /success : Redirects on success

## ## HTML Templates

- form.html: User form with error handling
- success.html: Displays "Data submitted successfully"

# Testing

- API route tested at /api
- V Form tested with valid and invalid inputs
- Verified data in MongoDB Atlas collection

## 

#### **Git Commands:**

git init
git remote add origin https://github.com/MukherjeePushpendu/flask-mongodb
-project.git
git add .
git commit -m "Initial commit"
git pull origin main --allow-unrelated-histories
git push origin main

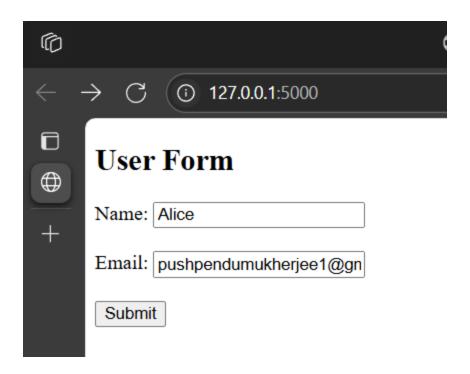
#### **Notes:**

- Used -allow-unrelated-histories to resolve mismatch
- Used .gitignore to exclude cache and .env

#### **Screenshots**

API output

Form page



• Success page

