Task Assessment – Full Stack Engineer Intern

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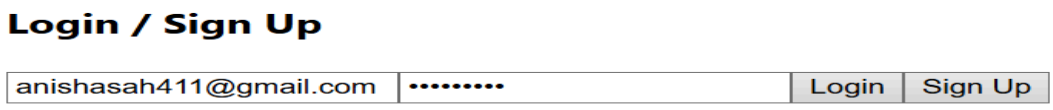
Project Overview
This is a small React web app where users can upload images (or PDF pages converted to images), and the app auto-detects and processes them (CamScanner-style).
Users can log in, upload files, and see both the original and processed images.

Tech Stack
- Frontend: React.js
- Backend: Firebase (Authentication + Firestore)
- Computer Vision: Python + OpenCV

How to Run Frontend
1. Go to the frontend folder: `cd frontend`
2. Install dependencies: `npm install`
3. Start the app: `npm start`
4. Open `http://localhost:3000` (or another port if prompted)

How to Run CV Script
1. Go to the `cv` folder: `cd cv`
2. Make sure `input.jpg` exists in this folder
3. Run the script: `python grayscale.py`
4. The output will be saved as `output.jpg` in the same folder

Screenshots
Login Page **:**



Dashboard :

Signed in as anishasah411@gmail.com

Sign Out

Choose File No file chosen

Your Uploads:

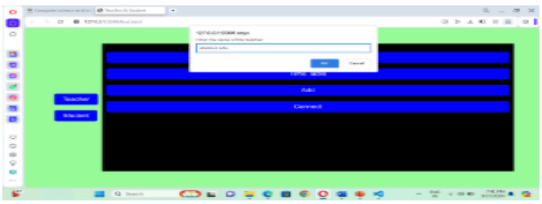
File Uploaded :

Signed in as anishasah411@gmail.com

Sign Out

Choose File Screenshot (211).png

Before



After

Your Uploads:

CV Output Image: