

**Project Title:** Image Style Transfer Using AesPA-NET

**Tech Stack:**

| Frontend                                              | Backend                                  | Research Papers                                 |
|-------------------------------------------------------|------------------------------------------|-------------------------------------------------|
| HTML, Javascript, ReactJS, Vite(Bundler), TailwindCSS | Python, Flask<br>Tools: Insomnia/Postman | Aesthetic Pattern-Aware Style Transfer Networks |

**Resources**

**Frontend**

HTML, CSS: Very easy stuff. Just refer [w3schools](https://www.w3schools.com/).

Javascript:

- Online handbook: [Eloquent JS](https://eloquentjavascript.net/)
- YT Tutorials:
  - [freecodecamp](https://www.freecodecamp.org/)
  - [JS for React](https://www.youtube.com/watch?v=K8pW83vF3p4)
  - [Asynchronous JS](https://www.youtube.com/watch?v=K8pW83vF3p4)

(Focus on async JS more!)

React:

- [The Odin Project](https://theodinproject.com/)
- YT Tutorials:
  - [Ben Awad](https://www.youtube.com/watch?v=K8pW83vF3p4) (Best guy for React/Typescript)
  - [Sonny Sangha](https://www.youtube.com/watch?v=K8pW83vF3p4) (Best guy for Fullstack clones)

Vite:

- [Documentation](https://vitejs.dev/docs/)

TailwindCSS:

- [Documentation](https://tailwindcss.com/) is enough for this one

Additional (Highly Recommended):

- [Next.js Documentation](https://nextjs.org/docs): Only the "Foundation" section  
Read this doc for addition concepts like minifying, compiling, bundling etc

**Backend**

Python:

- Certification - [Python: Univ of Michigan](https://python.univ-michigan.com/)

Highly recommended to go for certifications in the backend

Flask:

- Palletes Project: [Documentation](#)
- Certification - [AI apps using Flask: IBM](#)
- YT Tutorials:  
[Tech With Tim](#)

### Research Related

- [AesPA Net Research Paper](#):  
The one we're gonna use.
- How to implement a Research Paper
  1. [Article 1](#)
  2. [Article 2](#)
  3. [Nicholas Renotte](#): YT Channel