

Path2TECH: App Development Curriculum breakdown by weeks for Cohort 2

Week 0:

- Computer files and folder structure, Linux Fundamentals
- Enrollment into Python Coursera Course

Week 1:

- HTML Rules, Structure and Formatting
- HTML Navigation, Lists, Tables, embedding Audio and Video

Week 2:

- HTML Debugging
- Introduction to AI Tools

Week 3:

- Prompt Engineering fundamentals
- HTML Forms

Week 4:

- Introduction to GitHub
- CSS Basic Selectors
- CSS Cascade and Specificity

Week 5:

- CSS Debugging
- CSS Text customization
- CSS Box Model

Week 6:

- CSS Position

Week 7:

- CSS FlexBox and CSS Grid
- CSS Responsive Design

Week 8:

- Figma Fundamentals

Week 9:

- JavaScript Variables
- JavaScript Strings
- Enrollment into Pluralsight for JavaScript pathway

Week 10:

- JavaScript Debugging
- JavaScript Numbers
- JavaScript Functions

Week 11

- JavaScript Conditional Logic
- JavaScript Loops

Weeks 12-13: Holiday Break

Week 14

- JavaScript Arrays

Week 15

- JavaScript Objects
- HTTP, JSON, and Asynchronous JavaScript

Week 16

- Github Branching Lesson

Week 17

- DOM Manipulation
- DOM Creating and Deleting Elements

Week 18

- DOM Event Listeners
- DOM Form Events

Week 19

- DOM Asynchronous JavaScript
- React Import Statements, File Structure, Components, JSX, Lists

Week 20

- React Components, Props, State, Events, Handler Functions

Week 21

- Debugging React
- React Fragments, Side Effects
- React 3rd party libraries, Conditional Rendering, Asynchronous Data in React

Week 22

- React Forms, useContext, Zustand
- React Navigation
- Building Portfolio with React

Week 23

- Deploying React Project to Production
- Introduction to MongoDB

Week 24

- Express Routing, Middleware, HTTP Requests and Responses
- Combining MongoDB and Express

Weeks 25 –26:

- In class time to work on Portfolio and Capstone Projects