ADDIS ABABA UNIVERSITY
COLLEGE OF TECHNOLOGY AND BUILT-ENVIRONMENT

School of information Technology and Engineering

Project I: Personal Portfolio

Student(solo):

Abraham Nigatu — UGR/7532/16

Course name: WEB DESIGN AND PROGRAMMING (SECT-3112)

Submitted to: Mr. Yared Y.

Section:2

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Final Project Summary

Project Title & Theme:

Modern Developer Portfolio Website: A chic, cinematic personal site that shows off frontend development skills through the dark and professional theme of the high-end portfolios of race car drivers or tech innovators.

Short Description:

The goal of this project is to build a fully responsive, multi-page website using HTML and CSS as the main technologies, in order to demonstrate some of the most important concepts learned during this course. Starting from the home page, this includes a full-screen video hero section, overlay text through which a very appealing introduction can be given, and, following that, a grid of statistics pointing to achievements. The projects page has a responsive card grid showing the works with hover effects so that it would look even more attractive. In the contact page, one would find well-designed social icons and a simple structure for interaction. Throughout the site, the same color palette is used (dark backgrounds with neon accents), Google Fonts typography, and semantic structure helping it to be compatible with desktop, tablet, and mobile devices by using media queries and Flexbox/Grid layouts. Visuals come from places like Unsplash, with accentuating clean code and reusable classes for the purpose of maintainability.

Lastly, it is also live hosted on GitHub Pages at https://fazednot.github.io/portf for easy access and demonstration.

Challenges Faced & Lessons Learned:

One of many challenges was to design a professional and responsive fixed navbar with a mobile hamburger menu featuring ARIA accessibility enhancements. It was a sure sign that cross-browser testing would need to be done with caution to eliminate layout shifts.
The challenge of using a video background in the hero section without affecting mobile performance involved using fallback images and properties like 'playsinline', some of the techniques that taught me about load time reduction through optimization.
This would become particularly important on mobile devices, where hover is not native, and yet I wanted the hover effect on project cards to be identical in both their designs and their grid alignment. This furthered my appreciation for fallbacks and progressive enhancement. Finding the

right way between tech and art, like restricting JS to the least possible accessibility scripts and depending on pure CSS for most of the interaction, made me understand better how important mobile-first approaches are and also the ways they ease debugging. To sum up, this was a great opportunity to practice semantic HTML, CSS best practices, and real-world testing to get ready for more complicated web development tasks.