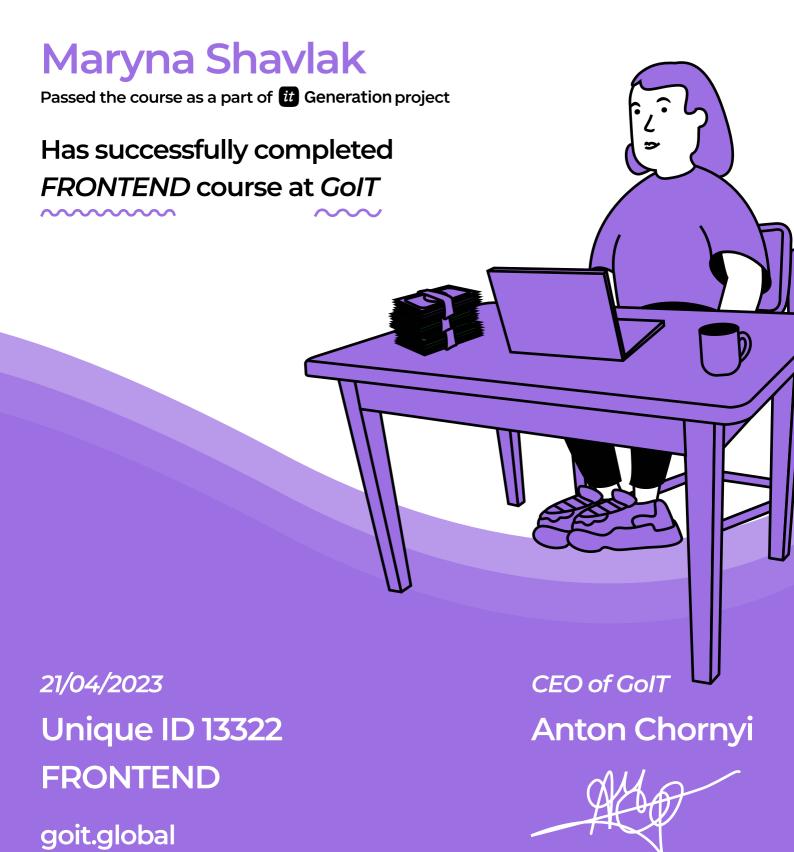


# CERTIFICATE





# Certificate supplement Frontend course

# **General information**

#### **Soft Skills**

3 classes, 6 hours

#### **HTML+CSS**

17 classes, 34 hours

7 assignments on Tech Skills

#### **JavaScript**

29 classes, 58 hours

12 assignments on Tech Skills

#### React

16 classes, 32 hours

8 assignments on Tech Skills

#### **Career Skills**

2 classes, 4 hours

3 assignments on Career Skills

3 team projects

## **HTML+CSS units**

Unit 1. HTML Basics. Tags and Attributes. Semantics

**Unit 2.** CSS Basics. Selectors. Color. Text Decoration and Fonts

Unit 3. Block Model. Flexbox

Unit 4. Background and Decorative Elements

**Unit 5.** Positioning of Elements Transformations. Transitions and Animations



Unit 6. Forms

Unit 7. Media Rules. Responsive Layout. Responsive Graphics

Module 8. Adaptive Layout

# JavaScript units

Unit 1. Variables and types. Branches. Cycles

Unit 2. Arrays. Functions

Unit 3. Objects. Rest and spread operations

Unit 4. Iterating array methods

Unit 5. The this keyword. Prototypes and classes

Unit 6. DOM and Events

Unit 7. Patterns and Event Optimization

Unit 8. Project infrastructure. Web storage

Unit 9. Asynchrony and Date. Promises

Unit 10. Interaction with backend

Unit 11. CRUD

Unit 12. Asynchronous Functions

## **React units**

Unit 1. Introducing React. Styling components

Unit 2. Events and State. Forms

Unit 3. Life Cycle. Working with API

Unit 4. React Hooks

Unit 5. Routing

**Unit 6.** Redux and React. Redux Library. Hooks. Redux Toolkit

Unit 7. Asynchronous Redux. Splitting Code

**Unit 8.** Registration and User Login. Private and Public Routes