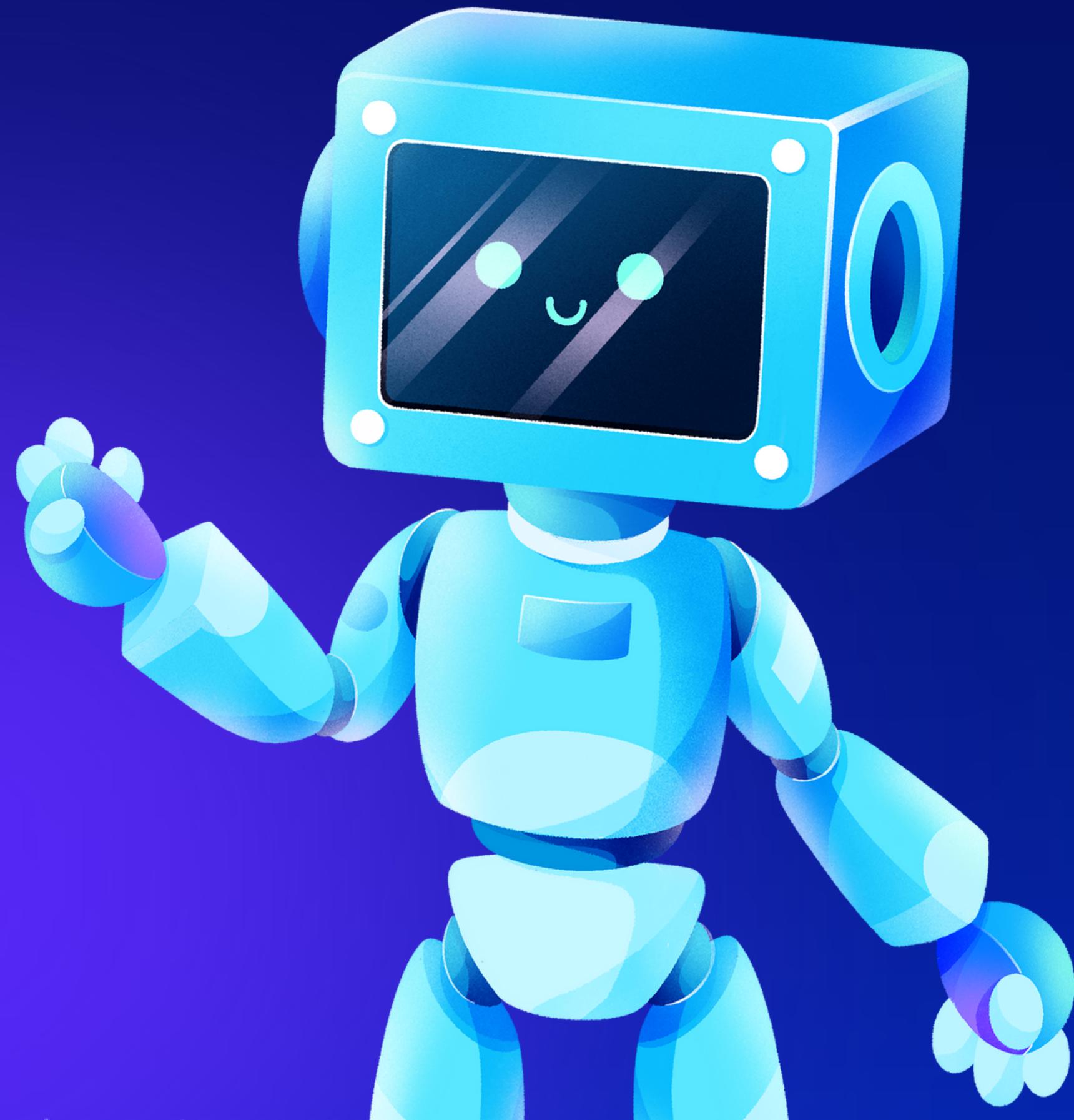
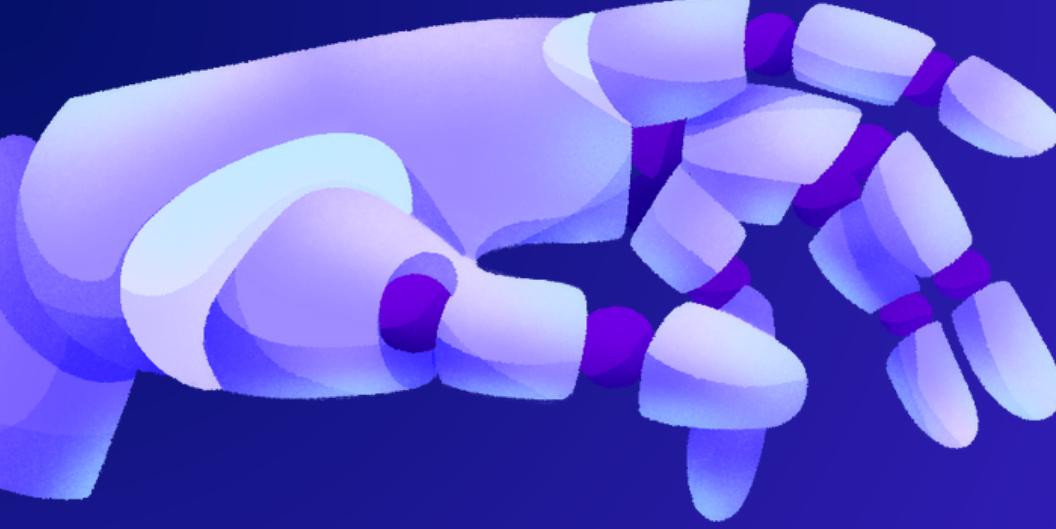


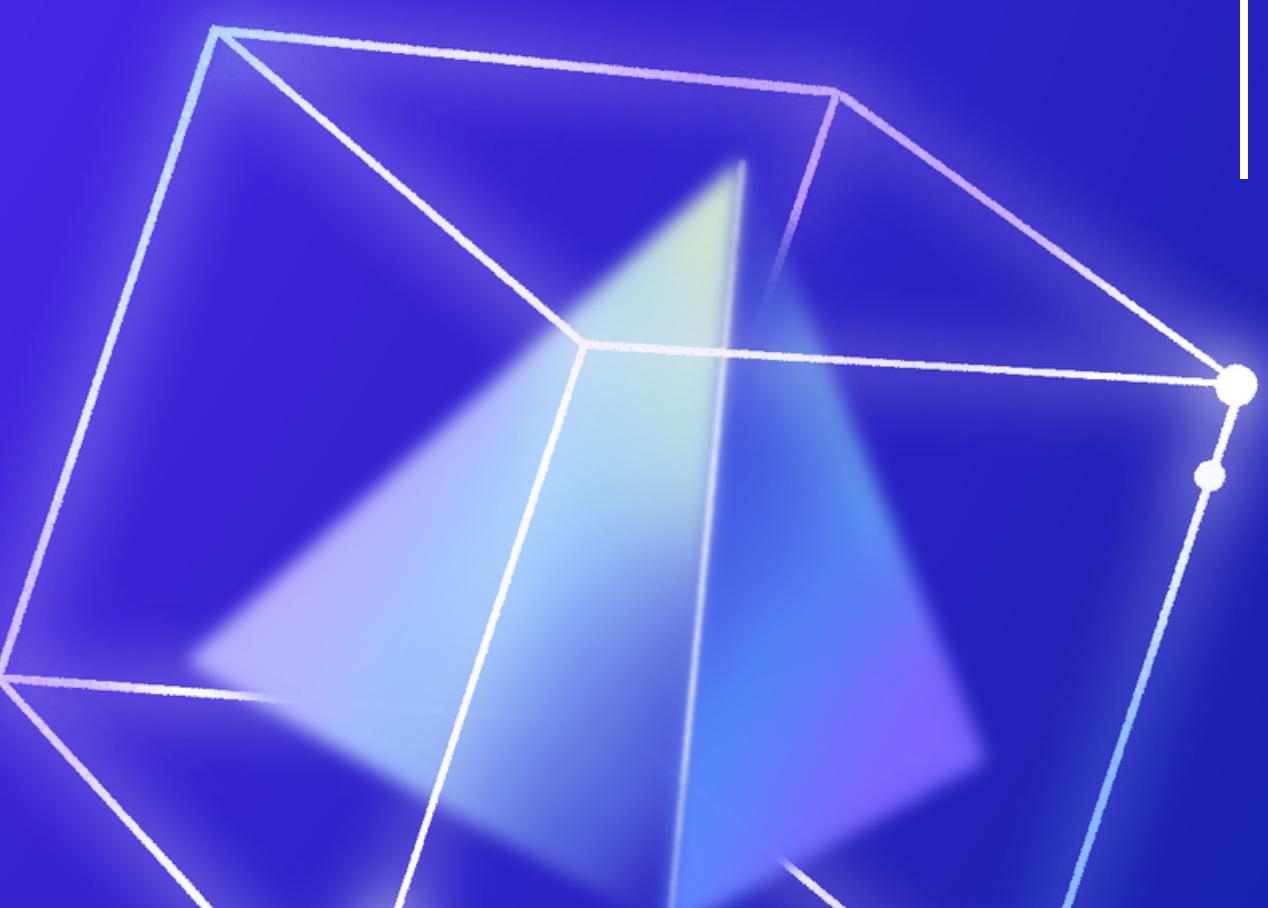
# TYPING SPEED AND ACCURACY CALCULATOR PROJECT

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# ABSTRACT

THE TYPING SPEED CALCULATOR IS A DIGITAL TOOL DESIGNED TO ASSESS AND ENHANCE AN INDIVIDUAL'S TYPING PROFICIENCY. THIS ABSTRACT PROVIDES AN OVERVIEW OF ITS PURPOSE, FUNCTIONALITY, AND POTENTIAL BENEFITS. THE TYPING SPEED CALCULATOR AIMS TO EVALUATE AND IMPROVE TYPING SPEED AND ACCURACY FOR USERS OF ALL SKILL LEVELS. IT SERVES AS A VALUABLE TOOL FOR INDIVIDUALS LOOKING TO ENHANCE THEIR PRODUCTIVITY, AS WELL AS EDUCATORS AND EMPLOYERS SEEKING TO ASSESS AND DEVELOP THE TYPING SKILLS OF THEIR STUDENTS OR EMPLOYEES.

# INTRODUCTION

In the modern digital age, the ability to type quickly and accurately is a fundamental skill that can greatly enhance productivity and efficiency in various aspects of our lives.

Whether you're a student striving to excel in academic assignments, a professional aiming to meet tight deadlines, or an employer seeking to evaluate the typing proficiency of potential hires, the importance of typing speed and accuracy cannot be overstated. It is in this context that we introduce the Typing Speed Calculator project.

The Typing Speed Calculator is an innovative digital tool designed to assess, improve, and monitor your typing skills. This project aims to provide a comprehensive solution for individuals looking to enhance their typing capabilities, educators seeking to evaluate and support their students, and employers interested in recruiting skilled typists.



# PROBLEM STATEMENT:

## 1. LACK OF RELIABLE TYPING SPEED ASSESSMENT TOOLS:

The current typing evaluation tools are limited, lacking accessibility, reliability, user-friendliness, customization, and advanced features. This hampers accurate assessment and improvement of keyboarding proficiency.

## 2. INADEQUATE EDUCATIONAL TYPING RESOURCES:

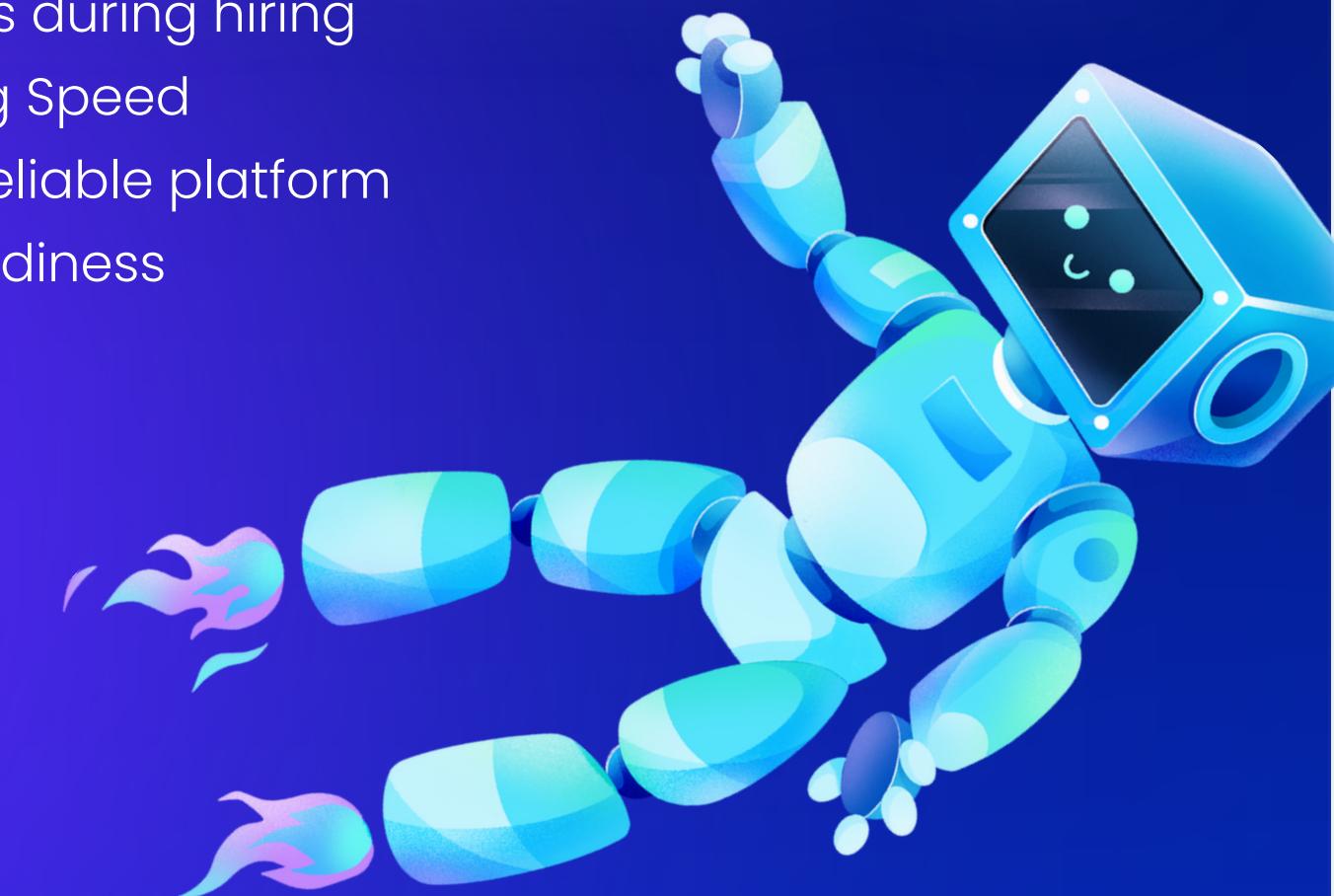
Educators struggle to find engaging and effective typing tools, impacting students' typing skill development. Our project addresses this gap by offering a resource that combines engagement, effectiveness, and features like customization and progress tracking for educators.

## 3. LIMITED EMPLOYMENT READINESS ASSESSMENT TOOLS:

Employers struggle with assessing typing skills during hiring due to a lack of user-friendly tools. Our Typing Speed Calculator simplifies this process, offering a reliable platform to enhance the efficiency of employment readiness assessments.

## 4. ACCESSIBILITY AND USER-FRIENDLY DESIGN:

Current typing assessment tools lack user-friendly interfaces. Our project prioritizes an intuitive design for an inclusive and accessible typing assessment experience.



# PROPOSED SOLUTION

01

Text Input:  
Users will be able to input from a set of predefined texts.

02

Timing Mechanism:  
Utilize a reliable timing mechanism to measure the duration of typing accurately.

03

Calculation Algorithm:  
Implement a robust algorithm to calculate words per minute (WPM) based on the entered text and time taken.

04

Accuracy Measurement (Optional): Consider incorporating a feature to measure accuracy by comparing user input to the correct text.

05

Start/Stop Mechanism:  
Provide a clear and user-friendly way to start and stop the typing test.

06

Accuracy Analysis:  
If accuracy measurement is implemented, provide users with a breakdown of their errors.



## EXPERIMENTAL SETUP:

- The typing speed calculator project consists of three files linked together: an HTML file with the basic framework of the site.
- A CSS file with the decorations and the presentation of the site.
- A JavaScript file with the code that makes sure the calculator functions properly.

# RESULT ANALYSIS

## TYPING SPEED CALCULATOR

The quick brown fox jumps  
over the lazy dog.

*Start typing the quote  
above...*

Calculate Speed and Accuracy

Your typing speed: 0 words  
per minute

Accuracy: 0.00%

## TYPING SPEED CALCULATOR

The quick brown fox jumps  
over the lazy dog.

The quick brown fox jumps over  
the lazy dog.

Calculate Speed and Accuracy

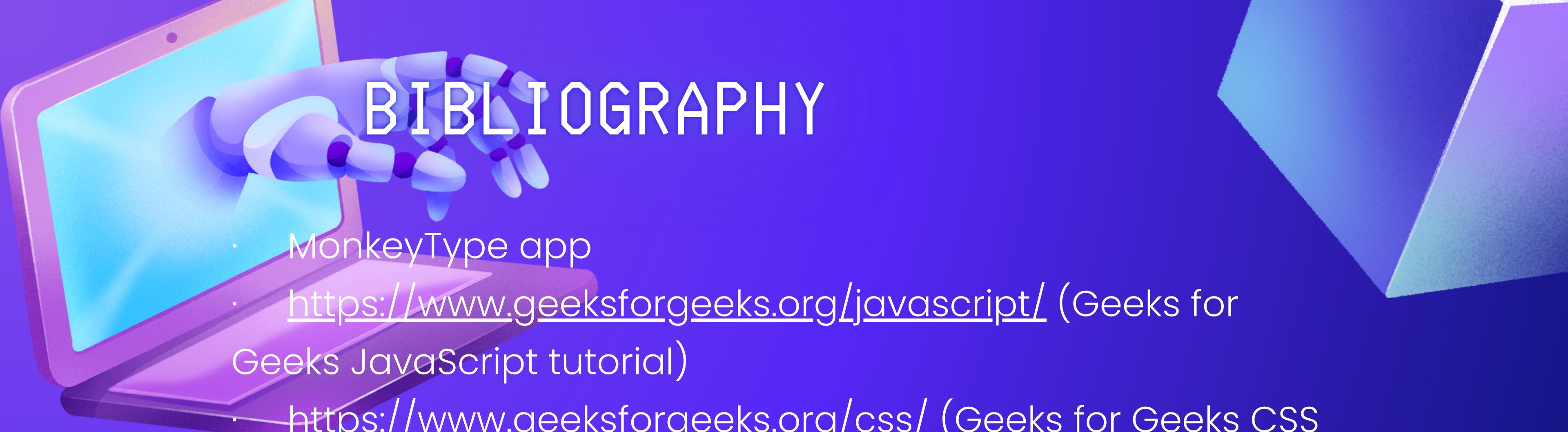
Your typing speed: 49 words per minute

Accuracy: 100.00%

# CONCLUSION

IN CONCLUSION, THE TYPING SPEED CALCULATOR PROJECT HAS BEEN SUCCESSFULLY IMPLEMENTED TO PROVIDE USERS WITH A VALUABLE TOOL FOR ASSESSING AND ENHANCING THEIR TYPING SKILLS. THE PROJECT FOCUSED ON CREATING A USER-FRIENDLY INTERFACE, ACCURATE SPEED CALCULATIONS, AND THE INCLUSION OF TYPING ACCURACY AS A SIGNIFICANT METRIC. SEVERAL KEY ASPECTS WERE ADDRESSED THROUGHOUT THE DEVELOPMENT PROCESS.





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- <https://www.youtube.com/@WebDevSimplified> CSS Tutorials
- <https://github.com/monkeytypegame/monkeytype> (open source code for MonkeyType on GitHub).

THANK YOU!

