

Python error Detector and Indentation Remover

Prof. Sanghita Deb¹, Rushank Suryawanshi², Yash Patil³,

Aditya Swami⁴, Shyam Patil⁵

Department of Computer Engineering,

Vishweshwarayya Abhyantriki Padvika Mahavidyalaya, Almala (413520), Latur, Maharashtra, India

Abstract — Before 1949, computers could execute commands, but they could not remember what they did as they were not able to store these commands. In 1950, Alan Turing discussed how to build intelligent machines and test this intelligence in his paper “Computing Machinery and Intelligence.” Five years later, the first AI program was presented at the Dartmouth Summer Research Project on Artificial Intelligence (DSPRAI). This event catalyzed AI research for the next few decades.

Computers became faster, cheaper, and more accessible between 1957 and 1974. Machine learning algorithms improved and, in 1970, one of the hosts of DSPRAI told Life Magazine that there would be a machine with the general intelligence of an average human being in three to eight years. Despite their success, computers’ inability to efficiently store or quickly process information created obstacles in the pursuit of artificial intelligence for the next ten years.

AI was revived in the 1980’s with the expansion of the algorithmic toolkit and more dedicated funds. John Hopfield and David Rumelhart introduced “deep learning” techniques that allowed computers to learn through experience. Edward Feigenbaum introduced “expert systems” that mimicked human decision-making. Despite a lack of government funding and public hype, AI thrived and many landmark goals were achieved in the next two decades. In 1997, reigning chess World Champion and Grandmaster Gary Kasparov was defeated by IBM’s Deep Blue, a chess-playing computer program. The same year, speech recognition software developed by Dragon Systems was implemented on Windows. Cynthia Breazeal also developed Kismet, a robot who could recognize and display emotions.

In 2016, Google’s AlphaGo program beat Go master Lee Se-dol and in 2017, Libratus, a poker-playing supercomputer beat the best human players.

The Open AI Python library provides convenient access to the Open AI API from applications written in the Python language. It includes a pre-defined set of classes for API resources that initialize themselves dynamically from

API responses which make it compatible with a wide range of versions of the Open AI API.

Open Ai’s API can support a wide range of applications like search, classification, question-answering, and code generation. While we expect that the API will mostly create benefits for customers and end-users, it also creates safety concerns that are important to characterize and mitigate.

INTRODUCTION

We are developing Python error Detector and Indentation Remover it will help in the while learning python language it will helpful for the when we don’t know the exact syntax in python language and it will save the time while checking the exact correct syntax, we just type the buggy code and it will give the lots of possibility related the code.

After putting the buggy code Python error Detector and Indentation Remover implement the code and give the correct answer and no need to provide correct code and it will give the multiple possibility in the code and after and after refresh the code new possibility show the Python error Detector and Indentation Remover and it will look like that text editor.

Python

Python is an interpreted high-level general-purpose programming language. Python's design philosophy emphasizes code readability with its notable use of significant indentation. Its language constructs as well as its object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.

Python is dynamically-typed and garbage-collected. It supports multiple programming paradigms, including structured (particularly, procedural), object-oriented and functional

programming. Python is often described as a "batteries included" language due to its comprehensive standard library. Guido van Rossum began working on Python in the late 1980s, as a successor to the ABC programming language, and first released it in 1991 as Python 0.9.0. Python 2.0 was released in 2000 and introduced new features, such as list comprehensions and a garbage collection system using reference counting and was discontinued with version

2.7.18 in 2020. [Python 3.0 was released in 2008 and was a major revision of the language that is not completely backward-compatible

Python is meant to be an easily readable language. Its formatting is visually uncluttered, and it often uses English keywords where other languages use punctuation. Unlike many other languages, it does not use curly brackets to delimit blocks, and semicolons after statements are allowed but are rarely, if ever, used. It has fewer syntactic exceptions and special cases than Cor Pascal

Body of paper

This code totally written in the python, HTML, material (UI), react js this concept or languages used in this project and it will be beneficial for the student who is beginner and facing problem in the python and teacher is not available that time our wasting of time that's why this product we have implemented.

Application is gui based and it will be easy to use and it will require the internet without internet it won't work properly and it is available for 24 hours.

- 24-7 availability – Unlike humans it will provide the service and flexibility
- Learning and Updating – It is capable to provide the no. of possibility in the code.

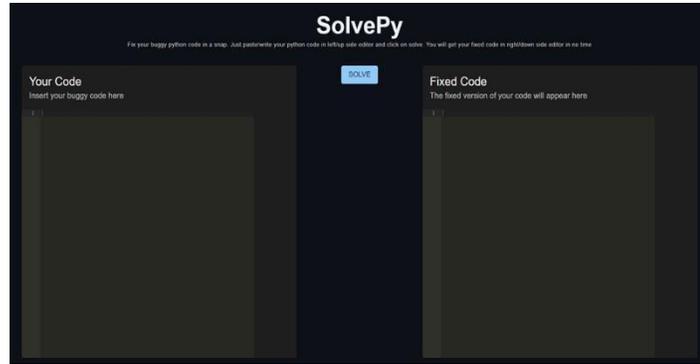
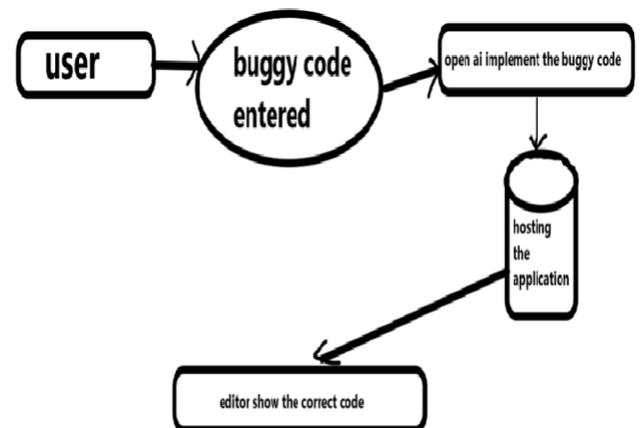


Fig -1: Figure



Fig -2: Figure

Data Flow Diagram



Technical Specification

The technologies which are used to implement the system are:

- 1) Python based application
- 2) We didn't use database it is hosted on the website
- 3) Layout and UI material UI based
- 4) html and react are used rarely

Future Scope

this application can be easily implemented under various situations, we can add new features as and when we require. Reusability is possible as and when require in this application. There is flexibility in all the modules.

I. CONCLUSION

From a proper analysis of positive points and constraints on the component, it can be safely concluded that the product is a highly efficient GUI based component.

This application is working properly and meeting to all user requirements.

This component can be easily plugged in many other systems.

II. ACKNOWLEDGMENT

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III. REFERENCES

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IV. Advantages

- Python error Detector and Indentation Remover tool that can fix the errors in pythonlanguage
- It is a web-based tool deployed on the internet. So, any student can access it at any time thus providing 24hour support
- It solves the error using AI. Thus, giving instant response. This saves a lot of time for students while learning.
- It is easy to use. Just paste your buggy code in our tool and it will give you the rectified code.

V. Dis-advantages

- Without internet it won't open the application.
- we did not think about it, when it will show the correct code
- we should put the code it will not autocomplete the code

VI) Problem Statement

When we started to make this project, we have only created program and we decides after finishing the code we have implemented and we decided we should create gui based project any one can use easily and itwill attractively and easy to use and easy to handle.

Then, after creating the gui based website we submitted this project onthe GitHub and host the project to use all of the student who learn the python and provide this service 24/7 hours and free to use openly any one can use