



BUG DETECTOR



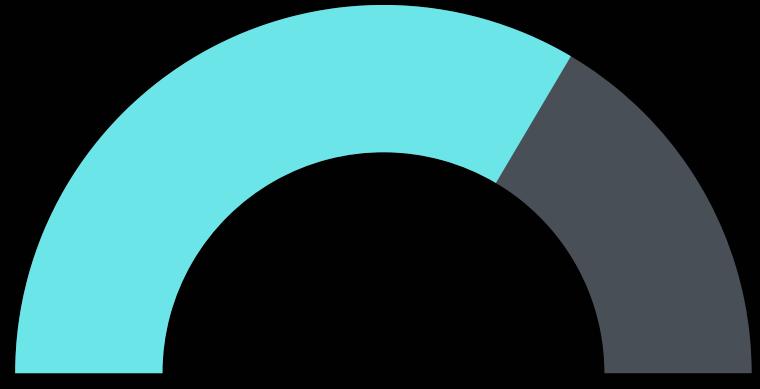
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AGENDA

- introduction
- problem statement
- proposed solution
- approach
- conclusion

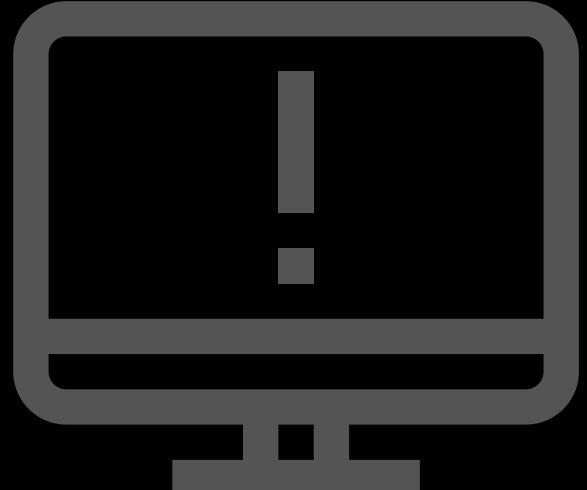


Introduction



In computer technology, a bug is a coding error in a computer program.
(We consider a program to also include the microcode that is manufactured
into a microprocessor.)

The process of finding bugs -- before users do -- is called debugging.



Problem Statement



Develop a machine learning model that can identify duplicate code in source code repositories and flag any anomalies or outliers that do not fit into the expected patterns.



Proposed solution

A platform which takes a code as a input and gives bugs present in the given code

Here we developed a code using this algorithm.

Approach

- Clustering
- frequency normalized anomalies
- density normalized anomalies
- filtering
- inspection

Conclusion

- Bug detection is a critical process in software development, aimed at identifying and fixing issues in software programs. It involves a systematic approach to testing software applications, identifying and reporting any issues or defects that may affect their performance or functionality.
- Effective bug detection helps to ensure that software applications are of high quality, reliable, and free of errors or defects. It is an ongoing process that requires continuous testing and debugging to ensure that software applications meet the needs and expectations of end-users.

*Thank
You*