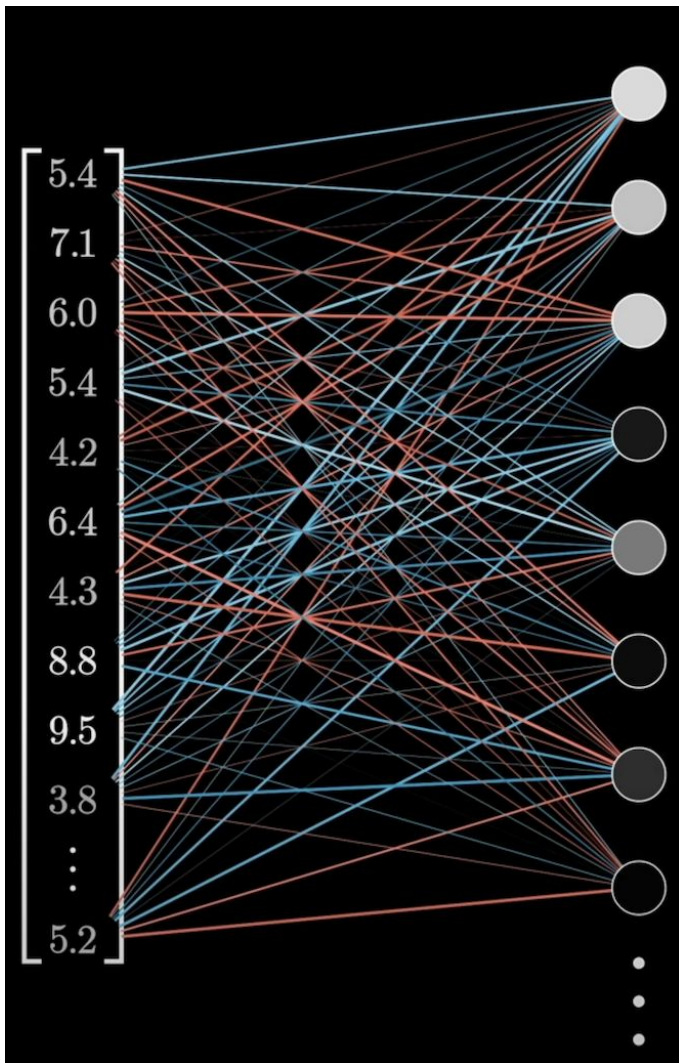


# BugBuddy.ai

Bug Hunting AI Tool





Problem Statement

Relevance and Importance in Today's World

Market Details

Enter BugBuddy.ai

Architecture

Demo and Results

Impact

Future Scope

# The Problem

## 1 Problem Statement

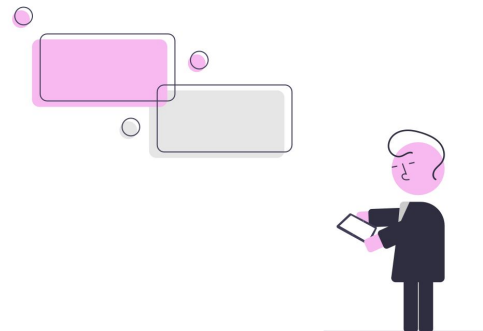
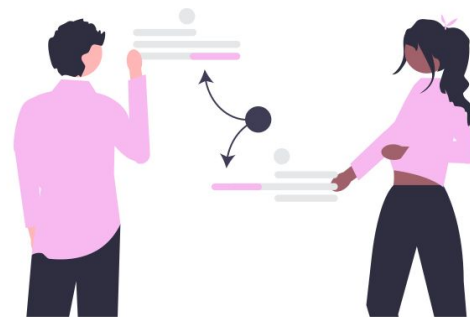
Despite the use of AI tools, software bugs persist, leading to inefficiencies and delays in development cycles.

## 3 Possible Solution

BugBuddy.ai, an AI-powered app that analyzes bug tickets and codebase to streamline the bug fixing process.

## 2 How big is the problem?

65% of software projects exceed their budget due to bug fixing, and on average, developers spend 30-50% of their time debugging.



# Relevance and Importance

## Cost Overruns

65% of software projects exceed their budgets due to the need for extensive bug fixing.

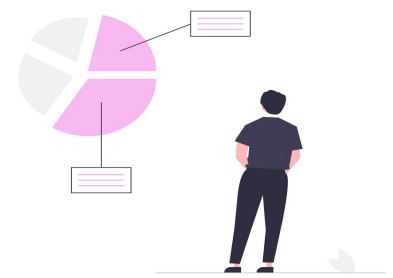
## Productivity Loss

Developers spend 30–50% of their time debugging, reducing time spent on feature development.

## Delayed Releases

Bugs often lead to missed deadlines and postponed product launches, frustrating customers.

# Market Details



## Rapid Growth in Bug Tracking Market Size:

- Market Size: Bug-tracking market expected to reach \$601.64 million by 2026 from \$218.22 million in 2018, growing at a CAGR of 13.60% from 2019 to 2026.
- Source: [Allied Market Research](#)

## Challenges in Modern Software Development:

- Complexity Rising: Software becoming more complex.
- Time Constraints: Development cycles shortening.

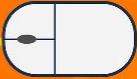


# 9 SOFTWARE DEVELOPMENT TOOLS

Used by Experts

## DOCKER

Automates the setup and configuration of development environments



## INTELIJ IDEA

Provides deep insight into your code  
Designed with ergonomics



## GIT

Low-cost local branching  
Convenient staging areas  
Multiple workflows

## GITHUB

Code hosting and reviewing  
Project management



## JIRA

Quick filters  
Customizable workflows  
Developer tool integrations  
More than a thousand add-ons



## STACK OVERFLOW

Online community of programmers



## SLACK

Open channels for team conversations  
Private channels for sharing sensitive information



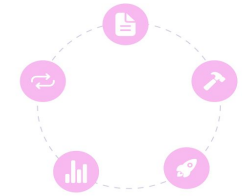
## SUBLINE TEXT

Text editor for source code, markup and prose



## TMUX

Creation, access and control of several programs from a single terminal



# BugBuddy

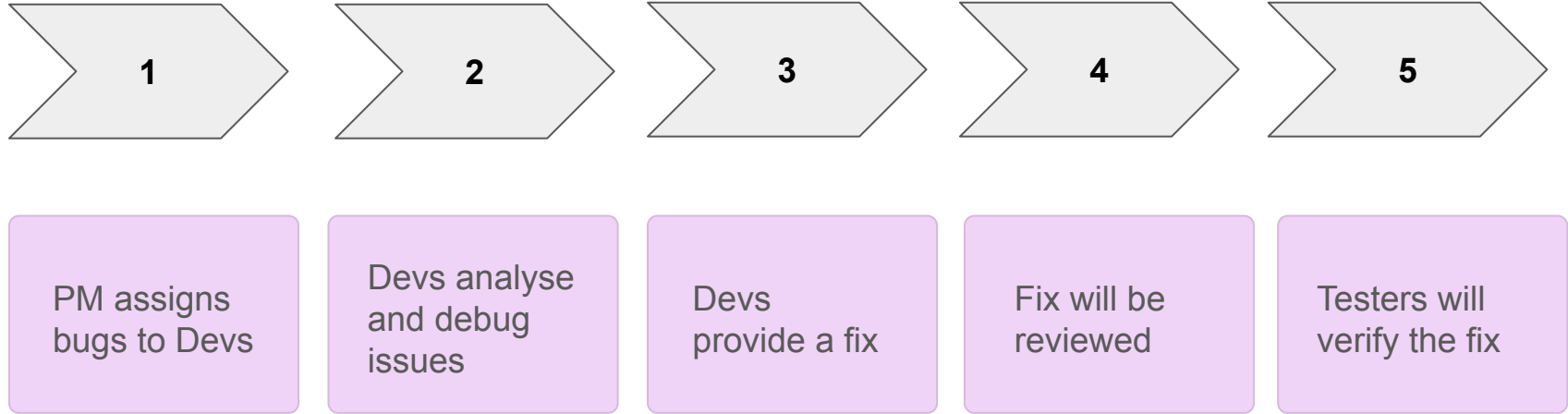
## Features

- Auto-debugging
- Code Suggestions,
- Bug Grouping for efficient resolution
- Bug Prioritization

## Benefits

- Reduce software development budget allocation by 5%
- Increase developer productivity by 15%

# Current Bug Fixing Workflow



# BugBuddy Workflow



## Triaging

BugBuddy.ai quickly analyzes bug reports, classifying issues and prioritizing the most critical ones.

1

2

3

## Auto Grouping

Prevents repetitive work and avoid resources to be utilized efficiently



## Intelligent Recommendations

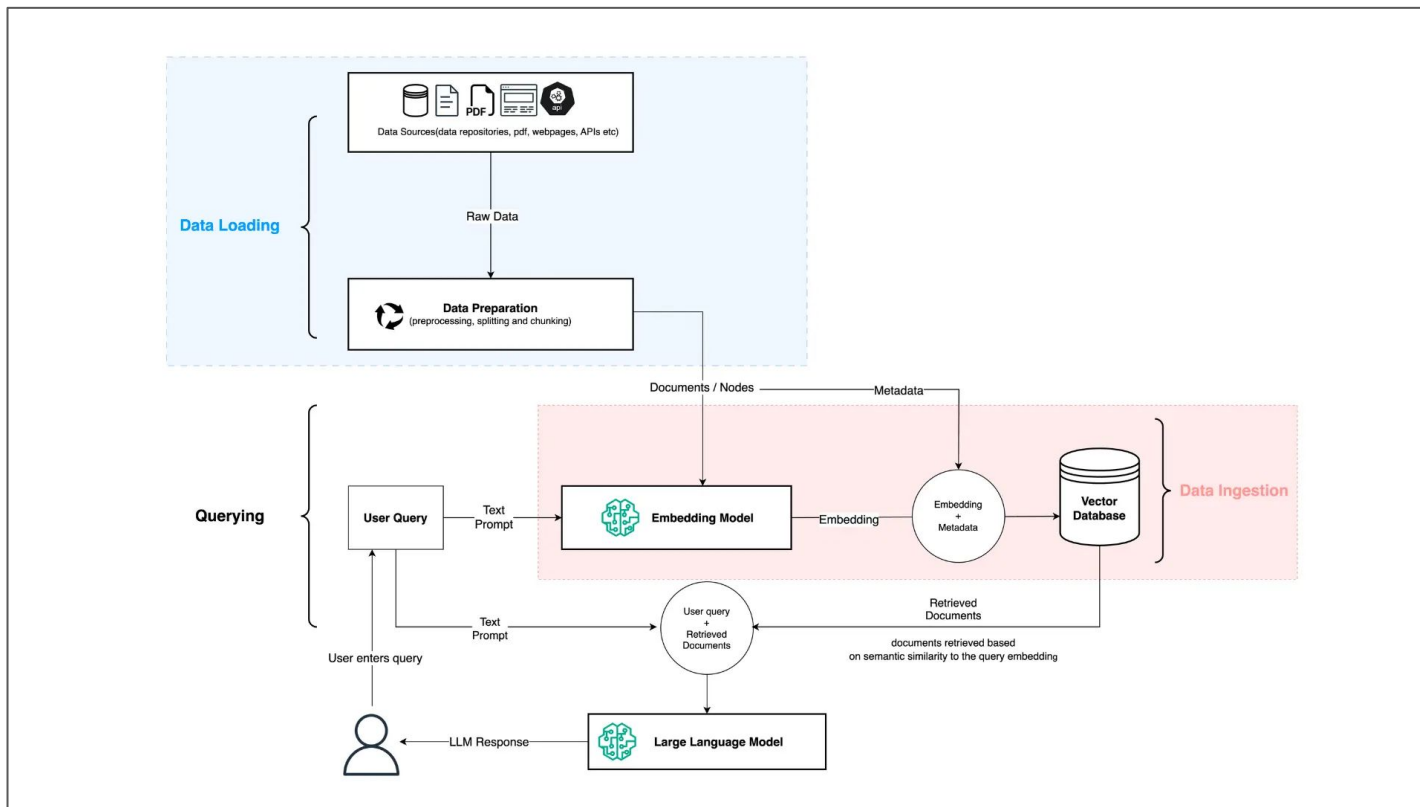
Identify the underlying causes of bugs, helping developers fix them efficiently.





# Demo and Results

# Architecture



# Impact of BugBuddy.ai



## **Coexist with Coding Assistants**

BugBuddy is not a replacement for coding assistants but it aims to coexist with tools such as Copilot, Codeium, etc



## **Increased Productivity**

Developers can focus on feature development rather than spending time on debugging.



## **On-Time Delivery**

Streamlined bug fixing helps meet project deadlines and release software faster.

# Future Scope

Expanding BugBuddy.ai's capabilities to include more advanced features:

- Automatic Bug Detection
- Auto-synchronization of new changes
- Developer feedback via chat
- Integration with other ticketing systems

Thank You!