

Neuronix : AI-Powered Coding Platform User Guide

Introduction

The AI-powered coding platform is a comprehensive tool designed to assist developers in their coding journey. The platform integrates several features, including code suggestions, automated code reviews, Jira ticket generation, design-to-code capabilities, and automated pull request merges. This guide will walk you through the features and functionality of the platform.

Login and Registration



Username

Password



Login

Register Here...

Login

To get started, users must log in to the platform:

1. **Enter your username and password.**
2. If the credentials are valid, you will be redirected to the **welcome screen**.

Registration

New users can sign up by providing:

- **Username**
- **Password**
- **Email Address**

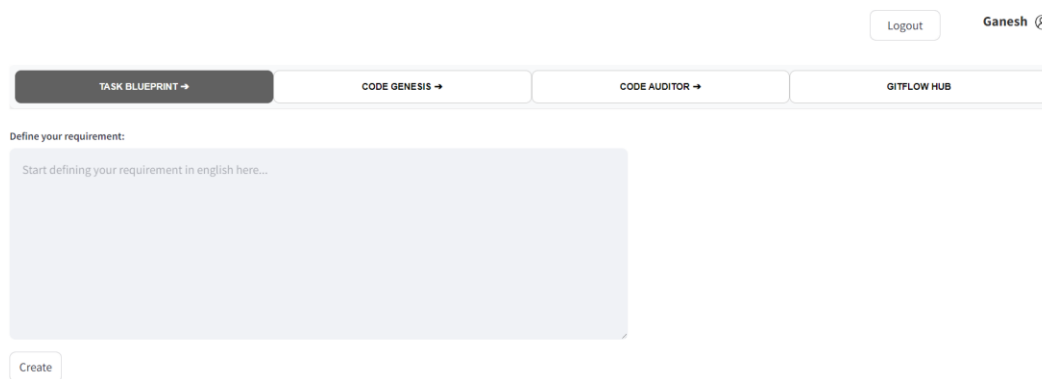
Once registered, users can log in to the platform using the credentials created.

Welcome Screen

Upon successful login, users are redirected to the **Welcome Screen**, which includes:

- **Profile Section:** Displays the user's name and logo.

Screenshot:



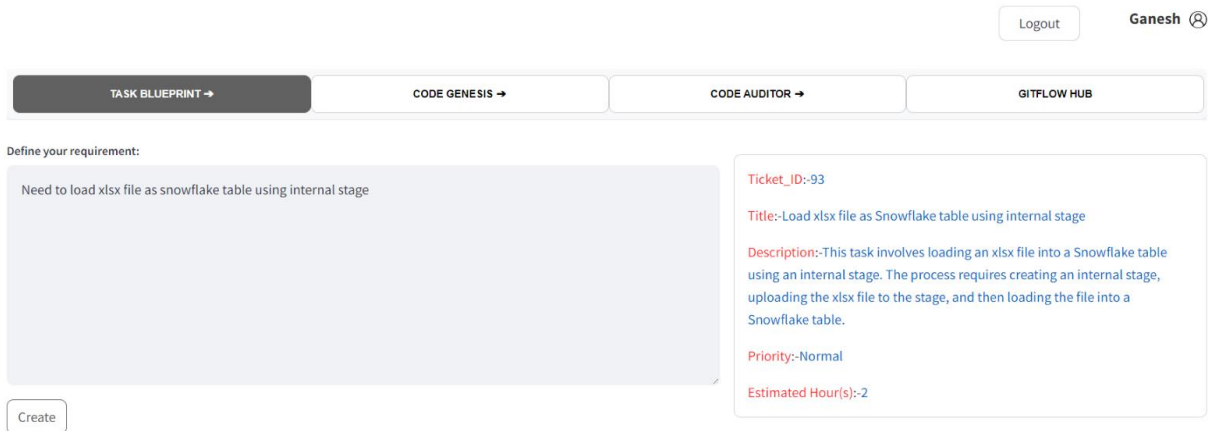
Task Blueprint

The **Task Blueprint** feature enables users to:

- Define requirements and generate a structured response with:
 - **Title**
 - **Description**

- **Priority**
- **Estimated Hours**

UI Screenshot:



The screenshot shows a web interface with a top navigation bar containing a 'Logout' button and the user name 'Ganesh' with a profile icon. Below the navigation bar is a horizontal menu with four tabs: 'TASK BLUEPRINT' (active), 'CODE GENESIS', 'CODE AUDITOR', and 'GITFLOW HUB'. The main content area is titled 'Define your requirement:' and contains a large text input field with the placeholder text 'Need to load xlsx file as snowflake table using internal stage'. Below the input field is a 'Create' button. To the right of the input field is a sidebar with the following details: 'Ticket_ID:-93', 'Title:-Load xlsx file as Snowflake table using internal stage', 'Description:-This task involves loading an xlsx file into a Snowflake table using an internal stage. The process requires creating an internal stage, uploading the xlsx file to the stage, and then loading the file into a Snowflake table.', 'Priority:-Normal', and 'Estimated Hour(s):-2'.

Code Genesis

The **Code Genesis** feature, still under development, will be integrated soon and includes two tabs:

1. **Prompt to Code:** Allows users to enter a prompt for code generation and select a programming language.

UI Screenshot:

Logout

Ganesh

TASK BLUEPRINT →

CODE GENESIS →

CODE AUDITOR →

GITFLOW HUB

Select Ticket ID

93

Ticket Title: Load xlsx file as Snowflake table using internal stage

☒ Prompt to Code
 ☐ Enhance Code

Enter your prompt for code generation:

This task involves loading an xlsx file into a Snowflake table using an internal stage. The process requires creating an internal stage, uploading the xlsx file to the stage, and then loading the file into a Snowflake table.

Python

Generate Code

Enhance Code: Enables users to paste code or upload a file for enhancement, providing optimized code suggestions.

Screenshot:

Logout

Ganesh

TASK BLUEPRINT →

CODE GENESIS →

CODE AUDITOR →

GITFLOW HUB

Select Ticket ID

77

Ticket Title: Load data from Snowflake to ADLS using Copy Activity

☐ Prompt to Code
 ☒ Enhance Code

Paste your code here to enhance:

or

Upload File to Enhance:

Drag and drop file here

Limit 200MB per file • PY, JAVA

Browse files

Enhance Code

Code Auditor

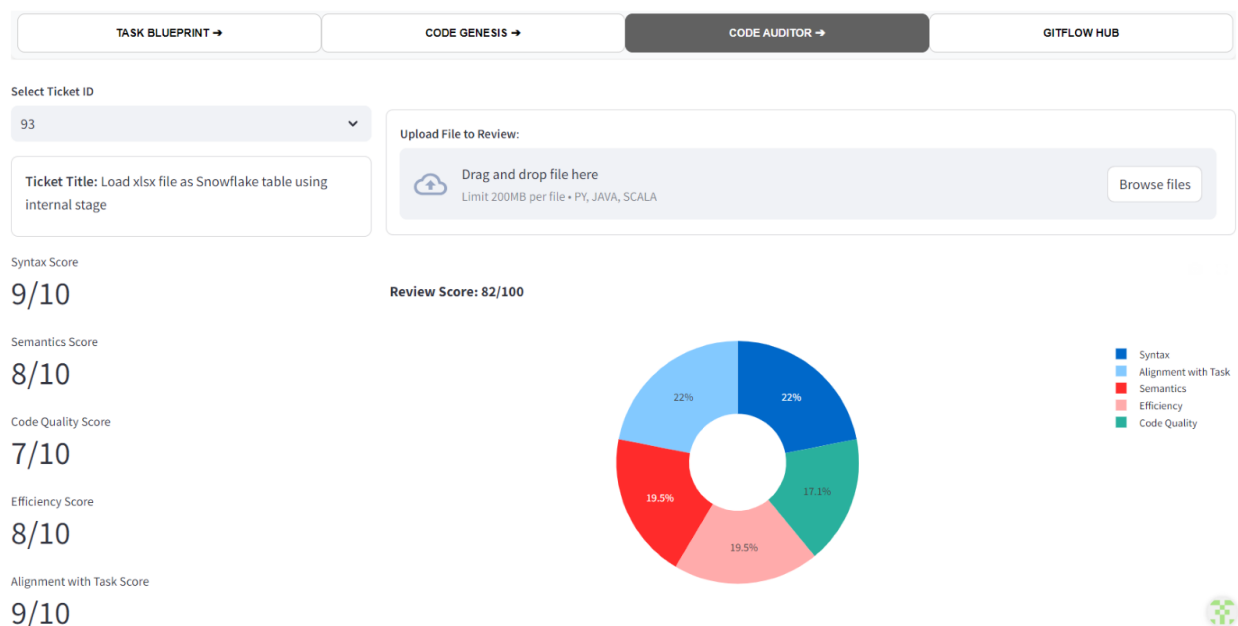
The **Code Auditor** assesses code quality, syntax, and semantics, providing a detailed evaluation and score (out of 50). It highlights areas for improvement and offers suggestions.

Code Upload and Review

Users can upload code for review, and the platform generates a report that includes:

- Syntax
- Semantics
- Code quality
- Efficiency
- Alignment with task description.

UI Screenshot:



GitFlow Hub


The **GitFlow Hub** feature allows users to:

- Deploy code to a repository.
- Select a ticket ID, repository, source branch, target branch, and file name, and upload a file to deploy.

The platform automatically merges the code to the target branch upon deployment.

UI Screenshot:

Logout

Ganesh 

TASK BLUEPRINT →

CODE GENESIS →

CODE AUDITOR →

GITFLOW HUB

Select Ticket ID

77

Ticket Title: Load data from Snowflake to ADLS using Copy Activity

Select Repository:

hello

Select Source Branch:

develop


Select Target Branch:

main

Enter File Name:

new_file.txt

Upload File to Review:

 Drag and drop file here

Limit 200MB per file • PY, JAVA, SCALA

Browse files

Deploy Code

Conclusion

This user guide provides a comprehensive overview of the platform's features and functionality. As the platform evolves, this guide will be updated to include new features and improvements.

Code Repository:

Github :- <https://github.com/Harsha606/neuronix/tree/main>