

# 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**

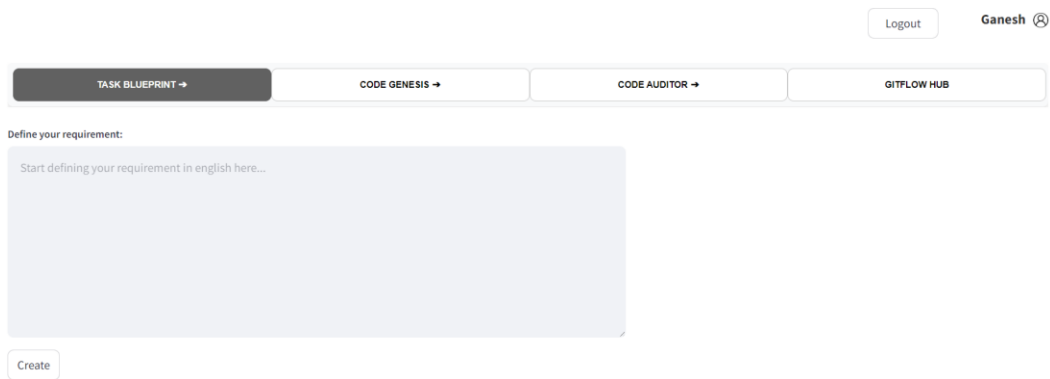
Once registered, users can log in to the platform using the credentials created.

## 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:**

Logout

Ganesh 

TASK BLUEPRINT →

CODE GENESIS →

CODE AUDITOR →

GITFLOW HUB

Define your requirement:

Need to load xlsx file as snowflake table using internal stage

Create

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

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:

The screenshot shows the 'CODE GENESIS' tab selected in the top navigation bar. The interface includes a 'Logout' button and the user name 'Ganesh' with a profile icon. Below the navigation bar, there are four tabs: 'TASK BLUEPRINT', 'CODE GENESIS' (active), 'CODE AUDITOR', and 'GITFLOW HUB'. The 'Select Ticket ID' dropdown is set to '93'. The 'Ticket Title' field contains the text 'Load xlsx file as Snowflake table using internal stage'. The 'Prompt to Code' radio button is selected. The 'Enter your prompt for code generation:' section contains a text area with the prompt: '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.' The programming language is set to 'Python'. A 'Generate Code' button is at the bottom.

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

### Screenshot:

The screenshot shows the 'CODE GENESIS' tab selected in the top navigation bar. The interface includes a 'Logout' button and the user name 'Ganesh' with a profile icon. Below the navigation bar, there are four tabs: 'TASK BLUEPRINT', 'CODE GENESIS' (active), 'CODE AUDITOR', and 'GITFLOW HUB'. The 'Select Ticket ID' dropdown is set to '77'. The 'Ticket Title' field contains the text 'Load data from Snowflake to ADLS using Copy Activity'. The 'Enhance Code' radio button is selected. The 'Paste your code here to enhance:' section has a large text area. To the right of the text area is the word 'or'. The 'Upload File to Enhance:' section has a 'Drag and drop file here' area with the text 'Limit 200MB per file • PY, JAVA' and a 'Browse files' button. An 'Enhance Code' button is at the bottom.

# Code Auditor

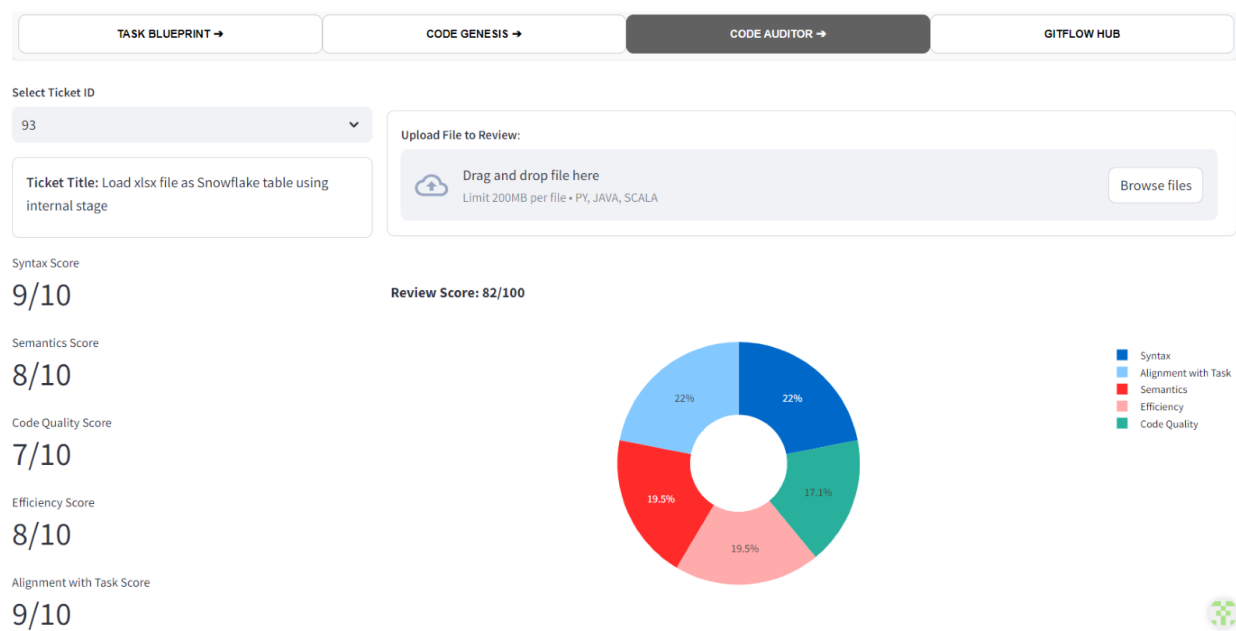
The **Code Auditor** assesses code quality, syntax, and semantics, providing a detailed evaluation and score (out of 50). It highlights areas for improvement and offers suggestions.

## 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:

The screenshot displays the GitFlow Hub interface. At the top right, there is a 'Logout' button and a user profile for 'Ganesh'. Below this is a navigation bar with four tabs: 'TASK BLUEPRINT →', 'CODE GENESIS →', 'CODE AUDITOR →', and 'GITFLOW HUB' (which is currently selected and highlighted in dark grey). The main content area contains several form fields for deployment configuration. It starts with a 'Select Ticket ID' dropdown set to '77' and a 'Ticket Title' text field containing 'Load data from Snowflake to ADLS using Copy Activity'. Below these are four columns of selection fields: 'Select Repository:' with a dropdown set to 'hello', 'Select Source Branch:' with a dropdown set to 'develop', 'Select Target Branch:' with a dropdown set to 'main', and 'Enter File Name:' with a text field containing 'new\_file.txt'. Further down is an 'Upload File to Review:' section featuring a cloud upload icon, the text 'Drag and drop file here', a note 'Limit 200MB per file • PY, JAVA, SCALA', and a 'Browse files' button. At the bottom center of the form is a 'Deploy Code' button.

## 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>