

# New CodingBot

*An intelligent Python automation and AI toolkit.*

License Python Build Coverage PyPI

Project Logo

## Project Overview

New CodingBot is a modular Python automation toolkit with advanced CI/CD, PyPI publishing, and development tooling. It is designed to be extensible, robust, and beginner-friendly.

## Screenshots

Add your project images here:

```
assets/  
├─ logo.png  
├─ screenshot-1.png  
└─ screenshot-2.png
```

## Features

- Modular automation framework
- GitHub Actions CI/CD
- Automatic PyPI publishing
- Well-structured Python package
- Pre-configured dev environment with linting & type checks

## Installation

### From PyPI

```
pip install codingbot
```

### From Source

```
git clone https://github.com/goivisomeswararao-lav/New-CodingBot.git  
cd New-CodingBot  
pip install -e .
```

## Usage

```
from codingbot import Bot

bot = Bot()
bot.run()
```

## Development

### Install dependencies

```
pip install -r requirements.txt
```

### Running Tests

```
pytest
```

### Code Quality

- Black formatting: `black .`
- Flake8 linting: `flake8 .`
- Mypy type checking: `mypy .`

## API Documentation

- Coming soon: detailed module-level API docs
- Auto-generated via Sphinx or MkDocs

## Roadmap

- ☐ Add CLI
- ☐ AI-assisted code generation
- ☐ Improve test coverage
- ☐ Add Docker image support
- ☐ Expand documentation with examples

## PyPI Publishing

- Automatic via GitHub Actions on tag push
- Builds wheel & source distribution
- Artifacts uploaded to GitHub Releases

## Contributing

Contributions are welcome! Please open issues or submit pull requests.



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