

CI Pipeline Documentation

1. Fork the Repository

Each intern should fork the main repository into their GitHub account to work independently. This ensures isolated development without affecting the main repository.

<https://github.com/shravanychandhanaa/NYCAD-sndx/tree/feat/ci-cd-bootstrap>

2. Review the Codebase

Reviewed the codebase and identified dependency files:

- frontend/package.json
- backend/package.json

3. Understand the Architecture

Reviewed provided documentation/diagrams to understand the high-level architecture and workflow of the system.

4. Setup CI Workflow

Created a CI workflow file under `.github/workflows/ci.yml` to automate build processes.

5. Add Steps for CI

The CI pipeline includes the following steps:

- Checkout repository
- Setup Node.js environment
- Install frontend dependencies
- Lint frontend
- Build frontend
- Install backend dependencies
- Lint backend
- Test backend

6. Run Tests

Backend tests were configured with Jest and executed in the pipeline successfully.

Current Status

✅ CI pipeline has been implemented successfully for both frontend and backend. Build and test steps passed in GitHub Actions.

← → ↻

github.com/shravanychandhanaa/NYCAD-sndx/actions/runs/17493147646/job/49687392319

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🏠 Summary

Jobs

🟢 build (18.x)

Run details

🕒 Usage

📄 Workflow file

build (18.x)

succeeded 12 minutes ago in 17s

🔍 Search logs

🔄 ⚙️

> 🟢 Checkout repository

> 🟢 Use Node.js 18.x

> 🟢 Install frontend dependencies

> 🟢 Lint frontend

> 🟢 Build frontend

> 🟢 Install backend dependencies

> 🟢 Lint backend

> 🟢 Test backend

> 🟢 Post Use Node.js 18.x

> 🟢 Post Checkout repository

> 🟢 Complete job

0s

3s

4s

1s

2s

2s

1s

1s

0s

0s

0s