

# Bala's Professional Portfolio

## Project Overview

This is a modern, responsive, and visually appealing personal portfolio website for Kurangi Bala Venkatarao, a Java Developer and AI Enthusiast. It showcases his technical skills, projects, experience, education, and achievements in an engaging format.

## Features

- **Modern Design:** Sleek, dark-themed UI with professional aesthetics.
- **Responsive Layout:** Optimized for seamless viewing across all devices (desktop, tablet, mobile).
- **Interactive UI:** Smooth animations, hover effects, and scroll-triggered transitions powered by Framer Motion.
- **Dynamic Content:** Sections for About Me, Skills, Projects, Experience, Education, and Contact.
- **Skill Visualization:** Progress bars with shimmer effects to highlight proficiency levels.
- **Project Showcase:** Detailed cards for each project, including technologies used and key features.
- **Social Integration:** Links to LinkedIn, GitHub, LeetCode, and GeeksforGeeks profiles.
- **Contact Form:** A simple form for visitors to get in touch.
- **Optimized Performance:** Fast loading times and smooth user experience.

## Technologies Used

- **Frontend Framework:** React 18 (with Vite)
- **Styling:** Tailwind CSS (with custom animations and utility classes)
- **UI Components:** shadcn/ui (a collection of re-usable components built with Radix UI and Tailwind CSS)
- **Icons:** Lucide React (for general icons) and custom image assets for specific technologies (Java, Python, C, SQL, Spring Boot, Git, GitHub, LinkedIn, LeetCode, GeeksforGeeks).
- **Animations:** Framer Motion
- **Build Tool:** Vite

- **Package Manager:** pnpm

## Project Structure

```
bala-portfolio/
├── public/           # Static assets (e.g., favicon.ico)
├── src/
│   ├── assets/      # Images and custom icons
│   │   ├── icons/   # Technology and social media icons
│   │   └── profile.jpg # Professional profile picture
│   ├── components/ui/ # Reusable UI components from shadcn/ui
│   ├── App.jsx       # Main application component (contains all sections)
│   ├── App.css       # Custom styles and Tailwind CSS imports
│   └── main.jsx      # Application entry point
├── .gitignore
├── index.html        # Main HTML file
├── package.json     # Project dependencies and scripts
├── pnpm-lock.yaml    # pnpm lock file
├── postcss.config.js # PostCSS configuration for Tailwind CSS
├── README.md         # This file
├── tailwind.config.js # Tailwind CSS configuration
└── vite.config.js    # Vite build configuration
```

## Setup and Installation

To get a local copy up and running, follow these simple steps.

### Prerequisites

Make sure you have Node.js and pnpm installed on your machine.

- **Node.js:** [Download & Install Node.js](#)

- **pnpm:** If you don't have pnpm, you can install it via npm:

```
bash
```

```
npm install -g pnpm
```

### Installation

1. **Clone the repository** (if you received it as a ZIP, unzip it to your desired location):

```
bash
```

```
git clone <repository_url> # Replace with your actual repository URL if
```

```
applicable
```

```
cd bala-portfolio
```

If you received a ZIP file, navigate to the unzipped `bala-portfolio` directory. For

example, if you unzipped it to `C:\Users\YourUser\Downloads\bala-portfolio` , and inside there's a `home\ubuntu\bala-portfolio` structure, navigate to that deepest `bala-portfolio` folder.

```
bash
```

```
cd C:\Users\YourUser\Downloads\bala-portfolio\home\ubuntu\bala-portfolio
```

## 2. Install dependencies:

```
bash
```

```
pnpm install
```

# Running the Project

## Development Mode

To run the project in development mode with hot-reloading:

```
pnpm run dev
```

This will typically start the development server at `http://localhost:5173` . Open this URL in your web browser.

## Building for Production

To create an optimized production build of the project:

```
pnpm run build
```

This command will generate a `dist` folder containing the static files ready for deployment.

## Previewing Production Build

To preview the production build locally after running `pnpm run build` :

```
pnpm run preview
```

This will typically serve the `dist` folder at `http://localhost:4173` .

# Deployment

This project is configured for easy deployment to static site hosting services like Netlify, Vercel, GitHub Pages, etc.

## Deploying to Netlify

1. **Connect to Git Repository:** If your project is in a Git repository, connect your Netlify account to it.
2. **Build Command:** Set the build command to `pnpm run build`.
3. **Publish Directory:** Set the publish directory to `dist`.
4. **Deploy:** Netlify will automatically build and deploy your site.

## Customization

- **Content:** All text content can be easily updated in `src/App.jsx`.
- **Styling:** Modify `src/App.css` and `tailwind.config.js` for custom styles and theme adjustments.
- **Assets:** Replace `profile.jpg` and icons in `src/assets/` with your own.
- **Sections:** Add, remove, or reorder sections by modifying `App.jsx`.

## Contact

Kurangi Bala Venkatarao

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Feel free to reach out for collaborations, opportunities, or just a chat!