

# NAMAN BAGORIA

Portfolio Website

Jalandhar, Punjab

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## Education

**Dr. B.R. Ambedkar National Institute of Technology, Jalandhar**

*Bachelor of Technology in Computer Science, CGPA: 8.04*

**Aug 2023 – Present**

*Jalandhar, Punjab*

**Police D. A. V. Public School, Jalandhar**

*Senior Secondary Education, Percentage: 96%*

**2021 – 2022**

*Jalandhar, Punjab*

## Projects

**LangBridge - Connect and Converse** | ReactJS, TailwindCSS, ExpressJS, NodeJS, DaisyUI

[GitHub](#)

**May 2025**

- Built a full-stack MERN language exchange platform with 8+ responsive pages (onboarding, home, friends, chat, video call, notifications) and 3 user discovery categories, featuring real-time friend request workflows and a responsive notification system. Promoted to production on Render.
- Integrated Stream Chat and Video SDKs to enable low-latency messaging and HD video calls; added custom message components with inline timestamps, smart link previews, and call session management with route-based navigation. Secured the app using JWT-based authentication and implemented responsiveness across 4+ breakpoints.
- Designed a mobile-first UI with animated sidebar transitions and DaisyUI-powered theme customization. Engineered 15+ modular components including avatar tooltips, searchable user lists, and fully responsive user cards optimized for small-screen rendering.

**Shortify - Shrink & Share** | ReactJS, MongoDB, NodeJS, Express, Framer Motion, Tailwind CSS

[GitHub](#)

**Mar 2025**

- Developed and deployed on Render a full-stack URL shortening platform with user authentication, personal dashboards, real-time click analytics, and social sharing. Built 11+ RESTful APIs with layered validation and structured error handling.
- Implemented a secure Node.js/Express backend with JWT-based authentication, bcrypt hashing, and MongoDB integration, incorporating middleware for CORS enforcement and secure access control across 3+ collections.
- Architected a responsive React frontend with glassmorphism UI, Framer Motion animations, and a mobile-first Tailwind CSS layout. Delivered 15+ reusable components with smooth hover effects and interactive micro-transitions.

**Vizstra - Live Dijkstra Visualizer** | React, JavaScript, Node.js, Express.js, C++, CSS3, HTML5

[GitHub](#)

**Jan 2025**

- Constructed an interactive Dijkstra pathfinding visualizer with a 25×50 grid system, real-time algorithm animation, and drag-and-drop wall creation featuring step-by-step node exploration and shortest path highlighting for enhanced algorithm comprehension.
- Programmed a full-stack React application with integrated C++ code playground, enabling real-time compilation and execution of custom Dijkstra implementations via Node.js backend with g++ compiler integration, deployed on Render.
- Designed a responsive UI with modern effects, dark/light theme toggle, animated particle background, and professional component architecture supporting 480px+ breakpoints with optimized mobile layouts.

## Technical Skills

**Languages:** C, C++, Python, JavaScript, HTML/CSS

**Frameworks & Libraries:** React.js, Node.js, Express.js, Tailwind CSS, Redux Toolkit, DaisyUI, TanStack Query

**Databases:** MongoDB, MySQL

**Developer Tools:** Git, GitHub, VS Code, Postman, Cloudinary

**Authentication & Security:** JWT Authentication

## Relevant Coursework

- Data Structures & Algorithms
- Object Oriented Programming
- Database Management Systems
- Computer Networks

## Coding Profiles

**LeetCode** — [Naman Bagoria on LeetCode](#)

*Knight badge holder with 850+ solved problems, 1850+ max rating, and secured **626 rank** in Biweekly Contest 163.*

**GeeksforGeeks** — [Naman Bagoria on GFG](#)

*Solved 150+ problems with an institute rank under 650.*

**Coding Ninjas (Code360)** — [Naman Bagoria on Coding Ninjas](#)

*Solved 100+ questions and earned 30+ topic-specific DSA badges.*