

Hrushish Bhanvadiya

Ahmedabad, Gujarat, India

hrushibhanvadiya@gmail.com — +91 87802 23077 — LinkedIn — Portfolio

Education

Nirma University, Ahmedabad, Gujarat

Jul 2023 – Present

B.Tech. in Computer Science and Engineering

CGPA: 8.72 / 10

Relevant Coursework: Natural Language Processing, Computer Vision & Deep Learning, Reinforcement Learning, Operating Systems, Cloud Computing, Computer Networks, Data Structures & Algorithms.

Technical Skills

Programming Languages C, C++, Java, Python, SQL

Web Technologies HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Node.js, Tailwind CSS

AI / ML Retrieval-Augmented Generation, Embeddings, Vector Search, Natural Language Processing

Systems / Tools Git, GitHub, Linux, Flask, PostgreSQL, MongoDB Atlas

Projects

FinGuide - Neurodivergent-First Fintech Application

React, Node.js, PostgreSQL, Gemini API

- Developed an accessible, full-stack financial platform designed to reduce cognitive load for users with ADHD, dyslexia, and anxiety during the Manipal Hackathon.
- Engineered a dynamic React/TypeScript frontend featuring three adaptive UI modes that automatically simplify the interface based on user stress detection.
- Integrated the Google Gemini API to power a personalized financial assistant and implemented critical accessibility features, including OpenDyslexic font support and an emergency panic button.

Axon OS - Browser-Based Portfolio Operating System

Next.js, Rust, WebGPU

- Engineered a browser-native operating system featuring a virtual file system and window management, achieving zero-perceived latency for a seamless user experience.
- Designed a persistent AI copilot using Gemini with contextual UI awareness and system-level command execution.
- Architected a high-concurrency Rust backend (Axum, Tokio) with WebSocket integration, streaming real-time system metrics to simulate a native desktop environment.

Financial Document Retrieval-Augmented Generation System

Python, Flask, Pinecone, FinBERT

- Built a retrieval-augmented generation (RAG) system capable of parsing and querying complex, 550+ page financial documents (e.g., quarterly earnings reports).
- Integrated semantic chunking, FinBERT embeddings, and Pinecone vector indexing to achieve a highly responsive 350ms retrieval latency for citation-grounded QA.

Leadership & Responsibilities

Joint Secretary - Computer Society of India, Nirma University

Aug 2025 – Present

- Directed technical initiatives and managed event lifecycles for 1200+ students, structuring the scheduling for the largest offline hackathon in Gujarat.
- Led the Graphic Design Division, leveraging CorelDraw and typography principles to establish visual branding and digital assets across all society events.

Achievements

- **LeetCode:** Ranked in the Top 7.76% globally (Rating: 1798) for consistent algorithmic problem-solving.
- **Codeforces:** Peak rating of 1217 (Pupil), demonstrating proficiency in competitive programming and data structures under time constraints.