Dev Trivedi

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EDUCATION

- **Dhirubhai Ambani University** — Gandhinagar, Gujarat
  B.Tech in Information and Communication Technology; CPI: 8.72 — Aug 2023 – Present

- **Prime Science School** — Jamnagar, Gujarat
  Higher Secondary Education; Score: 82.15% — June 2021 – June 2023

PROJECTS

- **Talkasauras** — GitHub Repository
  AI-Powered Conversational Chatbot: Vercel AI-SDK, Node.js, Cron-jobs, Express.js — May 2025
  - **AI Integration**: Leveraged Google Gemini to deliver real-time, context-aware chatbot conversations with personalized responses and optional web search.
  - **Image Generation**: Facilitated prompt-based image creation using Google Gemini for dynamic visual outputs.
  - **Smart Scheduling**: Orchestrated a natural language reminder system with Chrono-node and Cron jobs, backed by MongoDB for persistent task storage and automated scheduling management.
  - **Privacy Features**: Implemented auto-expiring chat sessions with toggles between persistent and ephemeral modes, ensuring all messages remain encrypted at Database.
  - **Admin Broadcasting**: Built an admin-only mechanism to broadcast announcements to all users.

- **CodeWhisper** — GitHub Repository
  Real-Time Collaborative Code Editor: React, Node.js, Socket.IO, Gemini API — Jan 2025 – Feb 2025
  - **Real-Time Collaboration**: Crafted a collaborative coding environment using Socket.IO for simultaneous multi-user code editing with more than 10 languages and executed with one compiler API.
  - **Modern Code Editor**: Designed an intuitive interface featuring syntax highlighting and multi-file support.
  - **AI-Driven Assistance**: Incorporated AI-Powered chat assistant to enhance developer experience.
  - **Secure Authentication**: Engineered a robust JWT-based login system with email verification and password-reset capabilities.

- **LinkWith** — GitHub Repository
  URL Shortener Platform: React, Express.js, ReCharts, MongoDB — Dec 2024
  - **URL Shortening**: Deployed a custom platform for branded link shortening with actionable usage metrics.
  - **Analytics System**: Implemented comprehensive tracking of views, devices, browsers, and user locations per link.
  - **Data Visualization**: Charted 30-day performance trends using ReCharts to compare total and unique clicks.
  - **QR Code Integration**: Added customizable QR code generation for easier sharing and broader accessibility.

TECHNICAL SKILLS

- **Languages:** C++, JavaScript, C, SQL (Basic)
- **Developer Tools:** Git, GitHub, Postman, VS Code
- **Frameworks/Technologies:** React.js, Node.js, Express.js, Tailwind CSS, Bootstrap
- **Cloud/Databases:** MongoDB, Render, Vercel
- **Soft Skills:** Team Collaboration, Problem Solving, Adaptability
- **Coursework:** Data Structures, Design and Analysis of Algorithms, DBMS, OOP
- **Areas of Interest:** Full Stack Development, Competitive Programming, Problem Solving

ACHIEVEMENTS

- **1st Prize** winner in Winter of Code 7.0 at MSTC DAU amongst **50+ participants**.
- Completed over **1100+ problems** on LeetCode (**MysteriousMortal**) achieving a peak rating of **1819**.
- Earned the **Specialist** title on Codeforces (**Dev_Trivedi_03**) with a peak rating of **1412**.
- Attained global rank **314** in CodeChef (**devtrivedi03**) Starters **169D**.
- Ranked **1309** globally in LeetCode Biweekly Contest 154 among **27K+ participants**.
- Placed **1819th** worldwide in Codeforces Round 1032 (Div. 3) with **38K+ participants**.
- Qualified with **top 1%** rank in JEE Main among **1.1 million candidates**.