

HARSHRAJSINH ZALA

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Education

VIT University

Bachelor of Technology in Computer Science and Engineering; CGPA: 8.24/10

Sep 2022 – May 2026

Vellore, Tamil Nadu

Puna International School

Class XII (State Board); Scored: 86%

Mar 2022

Gandhinagar, Gujarat

Vatsalya International School

Class X (CBSE); Scored: 94%

Mar 2020

Borsad, Anand, Gujarat

Certifications

- **AWS Certified Cloud Practitioner** (2025)
- **React – The Complete Guide**, Udemy (2024)
- **Modern Web Dev Bootcamp**, Udemy (2024)
- **Java Programming Masterclass**, Udemy (2023)
- **Machine Learning MasterClass**, Udemy (2024)

Experience

Frontend Developer Intern

24x7developers

May 2025 – July 2025

Ahmedabad, India

- Developed scalable and responsive user interfaces using **React.js**, **HTML5**, and **CSS3**.
- Built modular and reusable components using **Tailwind CSS** to maintain design consistency.
- Worked on a live business dashboard application: **marshpos.com**, contributing to login flow, dashboard UI, and error handling.
- Integrated REST APIs to fetch and render dynamic data in real time.
- Collaborated with the team using Git/GitHub, participated in code reviews, and followed Agile sprint workflows.

Core Committee Member – The Matrix Club

VIT University

Feb 2024 – Present

Vellore, India

- Handled photography and video editing responsibilities during campus fests such as **Gravitas** and **Riviera**.
- Contributed to planning and execution of technical events and workshops.
- Managed logistics, promotions, and coordination for hackathons and coding events.
- Worked closely with multiple teams to ensure smooth execution of events.

Projects

- **Travel Tales – traveltalesvit.vercel.app** Feb 2025
Built a full-stack travel planning web app using **Next.js**, **Node.js**, and **MongoDB**.
 - Integrated external APIs with fallback handling to keep the app stable.
 - Implemented backend logic for trip budgets, search, and filtering.
 - Designed secure authentication with password hashing and Google login.
- **CSS Generate – cssgenerate.vercel.app** Nov 2024
Built a web-based CSS utility generator using **JavaScript**, **Tailwind CSS**, and **HTML/CSS**. Added real-time preview and copy-to-clipboard features. Focused on usability, responsiveness, and clean UI design.
- **Feedback Alignment vs Backpropagation (DFA vs BP)** Ongoing
Conducting a research-based study comparing **Direct Feedback Alignment (DFA)** with traditional **Backpropagation (BP)** in neural networks. Implemented and trained models on classification datasets to analyze learning dynamics, convergence behavior, and accuracy differences. Exploring the feasibility of DFA as a biologically plausible alternative to backpropagation for real-world datasets.

Technical Skills

- **Languages:** Python, Java, C, C++, JavaScript, SQL, HTML, CSS
- **Frameworks/Technologies:** React.js, Node.js, Express.js, Firebase, Tailwind CSS
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- **Tools:** Git, GitHub, VS Code, Jupyter Notebook

Co-curricular

Escape the Matrix 2.0 – Tech Event

Feb 2024

- Oversaw end-to-end execution of a university-wide tech event with 200+ participants.
- Coordinated with design, logistics, and tech teams to ensure smooth operations and stakeholder alignment.

Adathon – Advertising Hackathon

Sept 2024

- Served as event judge and evaluator; assessed participant performance and creativity under time constraints.
- Managed logistics, scheduling, and team coordination to deliver a seamless event experience.