

## Dharmay Dave

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### Education

10/25 - Present

**Technical University of Munich**, Munich, Germany

- Computer Science(Studienkolleg)
- Courses: Advanced Mathematics, Higher Physics, Linear Algebra, Calculus, Introduction to Programming

06/13 - 04/25

**S. N. Kansagra School**, Rajkot, India

- **Valedictorian** with 97% in Class XII, ranked among the **top 0.1% in India**.
  - Coursework: Advanced Mathematics, Computer Science, Advanced Physics
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### Experience

05/25 - Present

**Freelance Fullstack Engineering**, India & Germany

- Designing and building websites for small local startups, focusing on responsiveness, speed, and accessibility.
- Developing custom solutions using React, Next.js, Java, Python and Node.js for clients in education and retail sectors.

07/25 - 09/25

**Software Engineering Intern**, Sigmoid AI

- Contributed to the development of a unified marketplace platform that simplifies the integration and deployment of autonomous AI agents for business operations.

04/25 - 07/25

**Computer Science Tutor (Internship) – S. N. Kansagra School, Rajkot, India**

- Taught programming fundamentals and algorithms to high school students.
- Helped students prepare for national-level coding competitions and board examinations.
- Simplified complex computer science concepts through real-world analogies and project-based learning.

### Extracurriculars

02/26 - 02/26

**Lighthouse** ([github.com/DocMorphic/lighthouse](https://github.com/DocMorphic/lighthouse))

- Developing a mobile navigation application that utilizes open-source geospatial data for real-time mapping and routing.
- Built using **React Native** and **Expo** for cross-platform performance, integrating **OpenStreetMap** to render interactive, scalable maps.

02/25 - 02/25

**Hashi** ([hashiii.vercel.app](https://hashiii.vercel.app))

- **Developed** a web-based logic puzzle implementing graph-based algorithms for bridge validation and puzzle-solving mechanics.
- **Built** using **TypeScript**, **React**, and **CSS3**, deployed via **Vercel** for a responsive, cross-platform user experience.

02/25 - 02/25

**Framed**

- Designed a competitive PvP arena fighter featuring a unique "window-based" environmental mechanic and fast-paced combat logic.
- **Built** entirely using **GDScript**, **Godot**, and **Blender**, incorporating custom physics and collision detection for non-traditional arenas.

09/24 - 12/24

**Private Tutor at S.N.Kansagra School**

- Provided personalized tutoring in **Mathematics**, **Physics**, and **English** to secondary school students.
- Developed structured learning materials and adapted sessions to suit different learning styles.

10/22 - 11/24

**National-Level Athlete for Volleyball and Squash**

- Represented Gujarat state in volleyball and squash tournaments.
  - Trained regularly under certified coaches, competing in inter-state and district championships.
  - Learned teamwork, discipline, and mental focus through high-level competition.
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### Projects

- Developed a Python-based **IoT system** on **Raspberry Pi** using **SpeechRecognition** and **GPIO** libraries to enable **hands-free voice control** of home appliances via real-time signal processing.
- **AI Health Chatbot** – Built from scratch using **Python** and **NLP libraries**, capable of answering health-related queries, generating basic wellness prompts and providing specific medications based on the symptoms.

### Additional Information

- **Languages:** English (Native), German (Native)
- **Skills:** Mathematics, Machine Learning, Game Theory, Web Development, Electronics Prototyping

- **Programming:** React, Next.js, React Native, Python, JavaScript, Java (can adapt quickly to new languages or frameworks)
- **Interests:** Artificial Intelligence, Autonomous AI Agents, Game Development, Human–Computer Interaction (HCI), Large Language Models (LLMs), Procedural Content Generation, IoT & Smart Systems, UI/UX Design

**PS:** I don't have much experience, but I'm a fast learner, and I've actually been told so by many people. I just want to learn from and work with the best people