Dhruvin Naik

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EDUCATION

- **Gujarat Technological University**   Gujarat, India
  Bachelor of Engineering, Computer Science & Engineering   *May, 2024*
  Courses: *DSA, OOPs, Operating Systems, Database Management Systems*
- **H.S.C.**   Gujarat, India
  Gujarat Secondary Higher Secondary Education Board   *March, 2020*

SKILLS

- **Programming Languages:** C, Java, Python, JavaScript, Node.js
- **Web Technologies:** HTML, CSS, React.js
- **Databases:** MySQL, MongoDB
- **Platforms:** Git, Github, Canva, Figma, Visual Studio Code

EXPERIENCE

- **Infolabz pvt. Ltd.**   Gujarat, India
  MERN developer intern   *Jan 2024 – May 2024*
  - Built a full-stack school portal using **MongoDB, Express.js, React and Node.js (MERN)** to handle student data, attendance, results and teacher assignments, which led to a **60% boost in admin efficiency**.
  - Implemented secure **user authentication** and **role-based access control** using **JWT and bcrypt** for password hashing, ensuring **data privacy and access** across students, teachers and administrative roles within the application**.**
  - Improved backend speed by **cleaning up MongoDB queries and adding indexes,** which **reduced data fetch time by 35%.** This helped the **app load faster and run more smoothly,** especially during busy hours.
  - Deployed the application on **AWS (EC2)** and integrated **CI/CD** using **GitHub Actions**, enabling **automated build and deployment updates** and reducing **manual deployment effort by 80%**.
- **Webforest LLP**   Gujarat, India
  React.js developer intern   *Jul 2023 – Sept 2023*
  - Designed and developed the **frontend of a responsive real estate website** using **React.js**, **HTML5**, **CSS3** and **JavaScript**, enabling users to **search, filter and view property listings** across various cities.
  - Included interactive **search and filter components** using **React hooks** and **conditional rendering**, integrated with **RESTful APIs** to fetch and display **real-time data**, improving property **discovery time by 50%** and enhancing user experience.
  - Enhanced page performance through **lazy loading**, **code splitting** and **image optimization**, resulted in a **35% reduction in initial load time** and **improved rendering speed** for faster content delivery**.**

PROJECTS

- **Gesture-Based Presentation:** *Python, OpenCV, MediaPipe, Computer Vision*
  - Developed a **computer vision tool** to control presentations via **hand gestures** using a webcam, to reduce the use of physical devices by **100%**. During tests, it worked across **3+ presentation formats (PDF, PPTX, images)**.
  - Implemented **MediaPipe and OpenCV** to detect hand gestures in real-time with around **92% accuracy** and **Kept** the system responsive with frame rates above **25 FPS**, even in different lighting conditions.
  - **Tested the tool in 5+ academic sessions**, where it handled **90%+ of slide changes successfully** with almost no delay. Took feedback from users to make the tool easier and more reliable.
- **Smart Student Attendance System:** *Java (OOP, File Handling)*
  - Made a **console-based attendance tracker** using **core Java** that alowed secure admin login, managed student records for **50+ students** and generated attendance reports for multiple subjects.
  - Used **OOP concepts** to build **reusable classes** and stored data using **modular file-based storage**, making the system work reliably without using a traditional database.
  - **Automated daily attendance and monthly summary reports**, which helped reduce manual work by around **90%**. Tested the system with **3 mock academic sessions** to make sure it worked accurately and could handle more data if needed.