

Vishvamsinh Vaghela

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EDUCATION

- LJ Institute of Engineering and Technology** Ahemdabad, Gujarat
Bachelor of Technology in Computer Science and Design Nov. 2021 – Present

WORK EXPERIENCE

- Postman** Remote
Google Summer of Code Mentee May 2024 - Nov 2024
 - **Script Stability Enhancement:** Improved the AsyncAPI website's robustness by enhancing script stability in the /scripts/* directory of project. This project involved selecting a suitable testing framework for NodeJS scripts, developing detailed test cases for scripts, and setting up a GitHub Actions CI workflow for automated testing.
 - **Testing Expertise:** Wrote tests using Jest for AsyncAPI website's Node.js script, including conversion of YAML to JSON, file read/write operations, error handling, mocking APIs, generating/validating RSS feeds, fetching/processing data from external APIs, and managing JSX tags and file operations
 - **Global Recognition:** Selected as one of approximately 1200 mentees worldwide for the Google Summer of Code program.
 - **Outcome:** Achieved a stable website framework to support continuous development and updates.
- AsyncAPI Initiative.** Remote
Open Source Developer July 2023 - Present
 - **Website Migration:** Participated in the migration of the AsyncAPI website from JavaScript and Next.js v12 to TypeScript and Next.js v14, enhancing scalability and performance.
 - **Design Implementation:** Implemented financial summary page design using Next.js, Tailwind CSS, and Node.js for AsyncAPI.
 - **Testing Expertise:** Wrote Cypress tests for the page, ensuring functionality and reliability.
 - **Data Processing Enhancement:** Developed backend scripts in Node.js to convert YAML data into JSON, enhancing data processing.
 - **Data Visualization:** Created an interactive bar chart graph with "Months" and "Categories" filters for budget analysis.
 - **Collaboration and Iteration:** Collaborated with maintainers and designers, incorporating feedback for continuous improvement.

PROJECTS

- CinemaStats:**
 - Designed and developed CinemaStats, a movie rating website.
 - Technologies: Node.js, MongoDB, Express.
 - Features user account creation, search functionality, and star ratings for movies and TV shows.
 - Integrated Cloudinary for cloud image uploading, Mapbox for geolocation services, and the OMDB API for data retrieval.
 - Utilized Bootstrap and EJS templating for optimal performance across devices and browsers.

SKILLS

- **Languages:** JavaScript, TypeScript, C/C++, Python
- **Frontend Technologies:** Bootstrap, Tailwind CSS, Material-UI, React.js, Next.js, HTML5, CSS3
- **Backend Technologies:** Node.js, Express.js
- **Database Technologies:** MongoDB, PostgreSQL
- **Template Engines:** EJS, PUG, Handlebars
- **Package Management:** npm, yarn
- **Testing Frameworks:** Jest, Cypress
- **Tools:** Visual Studio Code, Postman, Canva, Figma
- **Version Control:** Git, GitHub