Ghindwani Manish

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Education

Bachelors in Computer Engineering, *Thadomal Shahani Engineering College* 2022 – present
CGPA 8.9/10

Higher Secondary Certificate (12th), *SMT CHM College* 2020 – 2022
Percentage: 79.67%

Secondary School Certificate (10th), *Jhulelal Trust School and Junior College* 2020
Percentage: 86.00%

Skills

Languages:
Java, JavaScript, PHP, Python, C, C++, SQL

Tools / Platform:
Github, Figma, Apache Netbeans, Xampp, Babel Webpack, Jetbrains IDE

Libraries / Frameworks:
React, Laravel, TestNG, Cucumber, Tailwind, Bootstrap, Materialize, Node

Automation Testing:
Selenium, Cypress

Projects

Pen-It 🔗 2025
Objective: To build a full-stack, scalable blog management system tailored for admins, authors, and public users, leveraging the MVC architecture.
Key Features and Technical Implementations:
- Secure *user authentication* to safeguard access and user data, backed by *CSRF protection* for robust application security.
- *Admin tools* for efficient user and content management, *incorporating* policies to ensure *role-based access control*.
- *Chain of Responsibility Pattern* utilized to maintain flexible and maintainable user request processing.
- *Subscription-based* access to *premium features* like *AI-powered article generation*, powered by *Stripe Payment Gateway*, with support for *asynchronous* processing through *schedulers and queues*.
- Dynamic *newsletter functionality*, to deliver updates and boost user engagement.
- Advanced *analytics for authors* to track views, engagement, and *AI-generated articles*, with *observer pattern* to automate tasks like updating analytics or triggering notifications.
- Intuitive public-facing interface supporting seamless browsing, interactive *commenting*, and advanced *search filters* for categories, tags, and authors.
Technologies Used: Laravel, PHP, Stripe Payment Gateway, Bootstrap, PhpMyAdmin, MySQL.

PeerTalk 🔗 2024
Objective: To design a robust and feature-rich chat application for real-time online communication and file sharing, tailored for both professional collaboration and personal use.
Key Features and Technical Implementations:
- *Real-time chat functionality* ensuring instant communication.
- Seamless *file transfer capabilities* for efficient sharing of documents and media.
- Sleek, modern interface *powered by JavaFX* for an intuitive user experience.
- Implements *advanced socket programming* for reliable and efficient communication.
- Utilizes the *singleton pattern* for managing global configurations and resources.
- Supports *multithreading* to handle multiple server responses simultaneously for real-time performance.
- Employs *JDBC* for secure and efficient database interactions.
- Uses *regex* for input validation and custom parsers.
- Adheres to *OOP principles* for maintainable and scalable code architecture.
Technologies Used: JavaFX, socket programming, JDBC, MySQL.

Kido-Store Testing 2025
Objective: To develop an automation testing suite using Selenium to ensure seamless functionality and reliability on the Kido Store e-commerce platform.
Key Features and Technical Implementations:
- *Automates diverse test cases*, including user authentication, adding products from the admin side, product search, adding products to the cart.
- Built on the *Page Object Model* (*POM*) architecture for enhanced code maintainability and reusability.
- Utilizes *Selenium WebDriver* for automated browser interactions, minimizing manual testing efforts.
- Incorporates *Selenium Grid* for distributed testing across multiple machines and browsers, ensuring robust cross-browser compatibility.
- Adopts *Cucumber* for behavior-driven testing, following the *Feature-Scenario-StepDefinition* structure for improved readability.
- Employs *TestNG* for efficient test management, detailed reporting, and parallel test execution.
- Supports *end-to-end flow testing*, from the admin panel (product addition and inventory management) to public panel actions like product search, adding to the cart, and payment completion.
- *Implements Global Context* to manage shared test data and maintain consistent state across test scenarios.
Technologies Used: Selenium WebDriver, Selenium Grid, Cucumber, TestNG, Java.

Film-Fiesta 🔗 2024
Objective: To create a movie discovery web application with a sleek and user-friendly interface for exploring movie details and Upcoming titles.
Key Features and Technical Implementations:
- Developed using *React* and *TailwindCSS* for a modern and responsive UI.
- Integrated *TMDB API* to fetch real-time movie data, including ratings and release dates.
- Managed state efficiently with *useState*, *useEffect*, and a *custom useFetch hook* for API requests.
- Implemented *React Router* for seamless navigation between pages, ensuring a smooth and intuitive user experience.
Technologies Used: React, TailwindCSS, TMDB API.