Shrutika Hilale

https://shrutikahilale.github.io/Personal-Portfolio

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PROGRAMMING SKILLS

- **Skills**: Mobile Development, Back-end, Flutter SDK, Version Control, Testing and Debugging, Prompt engineering, Adaptability, Effective communication abilities, Teamwork

- **Languages**: Java, Dart, Javascript

- **Technologies**: Flutter, Widget development, State management (setState, Getx, Provider), MVC, UI/UX design, Rest APIs, Firebase, React.js, ELK, Microsoft Azure, Version control (Git)

EXPERIENCE

- **Bajaj Finserv Health Limited** — Pune, India
  Associate SDET, Intern — *July 2023 - Present*
  - **App, Web Automation and Dashboard Development in React.js**: Developed and maintained a production monitoring system dashboard using React.js to track performance and identify issues in real-time. Reduced manual testing time by 77% through the implementation of automated test suites. Automated testing processes using Java, Appium, Selenium, and TestNG to improve efficiency and reduce manual intervention. Due to my remarkable work, we were able to bring back app automation in sprint and provide timely sign-offs during every sprint end. This reduced manual intervention by about 65% and cut regression time by about 77% through the implementation of parallel tests integration.

- **Innobytes** — Pune, India
  Final Year Project Sponsorship - Ecom App using Recommendation System — *Jan 2024 - May 2024*
  - **Flutter and Firebase**: We developed a robust e-commerce application using Flutter and Firebase, which offers personalised and tailored product recommendations powered by a Python Flask backend. Key functionalities include a products feed, search functionality, category pages, curated product feed, wish-list feature, and streamlined order management screens. Integrating packages like loading animation and flutter rating bar improved UI engagement. Using GetX controllers for state management and overhauling authentication with Firebase enhanced security and simplified login. These improvements led to a 35% increase in user retention, a 25% boost in engagement, a 20% reduction in load times, and a 50% decrease in login issues.
  - **Python Server Integration**: Introduced Dart APIs to facilitate seamless backend integration, complemented by a Python Flask server utilizing TF-IDF vectorizer and KMeans model for personalized product recommendations. This project showcases a holistic approach to e-commerce app development, seamlessly integrating frontend with advanced backend recommendation capabilities to deliver a personalised shopping platform.

PROJECTS

- **Book Bazaar App (Flutter and Firebase) Github Repo**:
  - An app which connects buyer and seller for a book in nearby areas. Proposed and orchestrated location-based seller discovery which helped processing of books across wide range of area.
  - Fostered a robust wish-list feature to enhance user engagement and facilitate efficient book tracking, ensuring accurate marking and removal of sold books to improve buyers' chances. Constructed comprehensive search functionality with advanced algorithms and filtering mechanisms that improved search result accuracy by 8%.
  - Spearheaded the integration of Firebase for seamless real-time data synchronization. Built structured APIs for efficient CRUD operations. This contributed to efficient data management and retrieval of data.

- **Consistency Tracker App Github Repo**:
  - Integrated a secure login and sign-up functionality using Firebase Authentication services. Designed visually appealing charts using the FL-charts package to display daily progress for each week, enhancing productivity tracking.
  - Enabled users to input their daily work hours directly into the app, with real-time updates to the database facilitated through Firebase APIs, ensuring accurate and synchronized data storage.

- **Sort Visualizer using React Github Repo, Link to the website**:
  - Developed a website showcasing each sorting algorithm, including Bubble, Selection, Insertion, Merge, and Quick sort, providing users with easy access to different sorting methods.
  - Engineered a interactive visualization function allowing users to visualize the selected sorting algorithm in real-time, enhancing their understanding of sorting processes. Conducted solutioning to reduce the code and processing time which resulted in approx. 20% faster retrival time.

EDUCATION

- **Vishwakarma Institute of Information Technology** — Pune, India
  Bachelor of Technology in Computer Science; SGPA: 9.86 — *June 2020 – May 2024*