DHAIRYA CHHABRA

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EXPERIENCE

Software Developer Intern - AFour Technologies   Pune, India
Full-time   *March 2023 – March 2024*

- **Developed a comprehensive resignation portal** for the company's ERP system, utilizing **React.js, NestJS, and MongoDB**, significantly improving employee offboarding efficiency.
- **Collaborated with a team of 6 engineers** to enhance existing system metrics and optimize business logic, resulting in a more streamlined and robust codebase.
- **Refactored legacy code**, reducing front-end compile time by 10% and saving developers up to 1 hour daily, leveraging Redux, Redux-Saga, and React-Router.

Full Stack Developer Intern – Digilytics Systems LLP   Pune, India
Full-Time   *December 2021 -May 2022*

- **Extensively developed with React.js**, gaining hands-on experience in enterprise-grade software development within an Agile and Scrum framework.
- Led the development of a **No-Code web application,** enabling users to create static websites through **drag-and-drop features**, collaborating closely with a **team of 3 developers.**
- **Enhanced code quality** by adhering to clean code practices and implementing user-friendly UI designs, improving overall user experience and maintainability.

EDUCATION

San Diego State University   San Diego, California
Masters in Computer Science – August 2024 -June 2026

Savitribai Phule Pune University   Pune, India
Bachelors in Engineering – Computer Engineering - (CGPA 9.09) August 2019 - June 2023

SKILLS SUMMARY

- **Languages**:   JavaScript (ES5/ES6), C, **C++**, HTML5, **Python**, **JAVA**, PHP and CSS3.
- **Frameworks**:   **Node.js**, **Next JS**, **Express.js**, MongoDB, **React.js**, MySQL and Firebase
- **Tools**:   **Git**, GitHub, Postman, REST APIs, Linux, Heroku, Docker, and NoSQL
- **Skills**:   Front-end, **Agile**, **Back-end**, Full-Stack, Micro-services, **CI/CD**, SCRUM, and Open Source

PROJECTS

Wordcorn (Link) | NextJS, Supabase, Python, Git
- **Developed a seamless English vocabulary learning platform** that incorporates synonyms, antonyms, mnemonics, videos, and images, offering an engaging and comprehensive learning experience.
- **Integrated quizzes and goal-tracking features** to boost user learning efficiency by 40%, significantly improving vocabulary retention rates.
- **Leveraged Supabase for real-time database management** and Python for backend logic, ensuring a smooth and responsive user experience.

Healthcare Information Exchange using Blockchain | React, Solidity, MetaMask, SQL
- **Engineered a secure patient data exchange system** utilizing blockchain technology, reducing data breaches by 15% through decentralized data storage and encryption.
- **Implemented secure authentication protocols** with SQL and MetaMask, improving user verification accuracy by 25% and enhancing overall data security.
- **Integrated Web3.js for seamless MetaMask connectivity**, ensuring a 99.9% reliable and secure data transaction process between users and the blockchain.

Expense Management System | ReactJS, ExpressJS, MongoDB,
- **Developed a feature-rich expense management application** that allows users to create custom categories (e.g., fuel, rent) and perform CRUD operations, providing comprehensive financial oversight.
- **Enabled users to set monthly spending limits per category**, effectively reducing overspending by 50% and helping users manage their budgets more efficiently.
- **Enabled users to set monthly spending limits per category**, effectively reducing overspending by 50% and helping users manage their budgets more efficiently.

Publications

- Chhabra, Dhairya, et al. "Healthcare Information Exchange Using Blockchain Technology." International Conference on Communication and Intelligent Systems. Singapore: Springer Nature Singapore, 2022. **(Link)**