DHAIRYA CHHABRA

📍 San Diego, CA 📞 (619) 572-2643 ✉ dchhabra2680@sdsu.edu 🔗 linkedin/dhairyachhabra ⚙ github/dhairya2001

Education

San Diego State University | *M.S in Computer Science* | ***GPA: 3.66***　　　　**Aug. 2024 – May 2026**
Coursework: Data Structures and Algorithms, Machine Learning, Data Science
Savitribai Phule Pune University | *B.E in Computer Engineering* | ***GPA: 3.94***　　　　**Aug. 2019 – May 2023**
Coursework: Operating Systems, Distributed Systems, Object Oriented Programming, DBMS

Work Experience

Software Engineer Intern, **Wordcorn**　　　　**May 2025 – Aug. 2025**
Tech Stack: NextJS, Typescript, NodeJS, Supabase, Python, GenAI　　　　San Jose, CA
- Built a responsive, mobile-first UI with NextJS and TypeScript, **enhancing user retention** and accessibility while supporting personalized **GenAI-driven content** delivery across devices.
- Scaled the web app from 100 to **1,500+ users**, achieving **15x user growth** through performance optimizations and **GenAI-powered content delivery**.
- Integrated **GenAI APIs** to auto-generate personalized quizzes and vocabulary drills, enhancing **learning efficiency by 40%**. Refactored application architecture to support **modular feature rollout** and improve **deployment cycles**.
- Reduced **backend response time by 35%** by optimizing **data fetch patterns and caching logic** with Supabase.

Software Engineer, **AFour Technologies**　　　　**Mar. 2023 – Mar. 2024**
Tech Stack: ReactJS, Typescript, NextJS, NodeJS, Java, MongoDB, AWS　　　　Remote
- Automated deployement and scaling of AI-powered React apps on AWS using CI/CD pipelines and Terraform, **improving uptime to 99.9%** and a **20% boost in deployment** efficiency.
- Built a resignation portal for the ERP system using ReactJS, NodeJS, and MongoDB, **leveraging microservices** and an **event-driven architecture** to improve system workflows and user experience.
- Refactored complex legacy code and optimized critical business logic, **cutting front-end compile time by 10%** to significantly boost developer efficiency and accelerate product release cycles.
- Optimized Java APIs to retrieve only relevant data, improving data handling efficiency and reducing response time, which **enhanced overall software performance by 50%**.

Software Engineer, **Digilytics Systems LLP**　　　　**Dec. 2021 – May 2022**
Tech Stack: ReactJS, NodeJS, Python, Team Leadership　　　　Remote
- **Led a team of 5 developers** to build a No-Code web application with drag-and-drop functionality, **enabling 500+ non-technical users** to create static websites easily, **increasing their sales by around 20%**.
- Engineered scalable and responsive components using JavaScript frameworks within an **Agile, Scrum workflow**; built distributed systems to improve performance and support enterprise-grade development.
- Enhanced code quality by following clean code practices and designing a user-friendly UI, which **improved user experience by 30%** and maintainability by **reducing code complexity by 25%**, while increasing code readability and enabling faster future enhancements.

Projects

BudgetWise - Expense Manager ⚙ | **Tech Stack**: ReactJS, NodeJS, MongoDB, Python
- **Created the BudgetWise platform** using NodeJS and ReactJS to manage monthly expenses, helping **users save 10% monthly** enabling users to visualize and manage monthly expenses efficiently, improving budgeting and web performance.
- Implemented Redux and ContextAPI to **manage global state efficiently**, allowing seamless data flow and enhancing UX.

Healthcare Information Exchange using Blockchain ⚙ | **Tech Stack**: React Native, Web3, MYSQL
- Built Web3.js-based smart contracts to securely authorize patient data access, improving backend reliability.
- Developed a secure patient data exchange system using React Native for the frontend, and MetaMask for secure transactions, **reducing data breaches by 15%** and increasing user verification accuracy by 25% through secure SQL integration.

Technical Skills

Languages: JavaScript, Python, Java, TypeScript, C++, C#, HTML, CSS, GraphQL
Frontend: ReactJS, NextJS, Redux, Context API, React Native
Backend: NodeJS, FastAPI, MySQL, Supabase, REST, Microservices, Redis
DevOps and Infra: AWS (S3, ECS, API Gateway), Docker, Kubernetes, Nginx, Jenkins, IaC, CI/CD
Testing and Monitoring: Jest, Cypress, React Testing Library, Selenium, Pytest
Tools: Git, Jira, Postman, Notion, Confluence, PowerBI, A/B Testing, Agile