

Sumit Rodrigues

+1562-549-9508 | Los Angeles, CA | sumitrod11@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL EXPERIENCE

Web Developer Student Assistant

August 2023 – Present

California State University - College of Communication

Fullerton, CA

- Created full-stack web applications using **HTML5**, **CSS3** and **Javascript**, enhancing system scalability and responsiveness, resulting in faster data processing and a smoother user experience
- Converted **Figma designs** into reusable, interactive **React** components for TUSK Magazine, improving **UI** consistency and development speed by **25%**
- Implemented **lazy loading**, **code splitting**, and optimized asset bundling using **Webpack** and **Vite**, improving Lighthouse performance scores to **90+**
- Integrated **TitanGPT** (ChatGPT-4o) as a **chatbot** feature on the Communications website, enabling students and professors to quickly navigate resources, find relevant information instantly, reducing navigation confusion

Software Engineer

September 2021 – July 2023

BNP Paribas (Bank of the West & BMO)

Mumbai, IN

- Led the transition from a traditional multi-page fintech system to a high-performance single-page application using **React.js**, **Next.js**, and **GraphQL**, cutting initial load times by **50%** and improving interactivity through client-side caching and efficient API pagination
- Designed and implemented a real-time dashboard using **React.js**, **TypeScript**, and **D3.js**, enabling financial analysts to visualize large datasets efficiently
- Maintained enterprise-grade **React.js** applications with **Redux Toolkit** and **RTK Query**, optimizing state management and reducing API call redundancies by **35%**
- Developed an AI-powered compliance assistant using **LangChain** and **Open AI API**, which automated regulatory document processing and reduced manual review time by **50%**
- Implemented **backend services** in **Java** and **Spring Boot** for scalable data processing and analytics in **fintech** applications, enabling efficient handling of large financial datasets

Software Engineer Intern

May 2020 – July 2020

TechHighway Systems Pvt. Ltd.

Pune, IN

- Built a high-performance e-commerce platform using **React.js**, **Typescript**, and **TailwindCSS**, deployed on **AWS EC2**, leading to a **20% increase in conversion rates** by optimizing UI responsiveness and backend efficiency
- Implemented dynamic form handling using **React Hook Form** and **Zod**, ensuring robust validation and improved data integrity
- Enhanced application performance with **memoization** (**React.memo**, **useMemo**, **useCallback**) and **virtualized rendering**, reducing re-renders and boosting UI efficiency

PROJECTS

Inventory Prediction System | Python, Machine Learning, SQL, Vue.js, Nest.js, AWS

May 2024 – July 2024

- Developed an AI-powered inventory prediction dashboard with **Vue.js** for real-time demand forecasting, reducing fleet costs by 35% and stockouts by 20%
- Integrated secure APIs with **Nest.js** and **MySQL**, ensuring data consistency and real-time updates

Evergreen Bank | NextJS, TypeScript, React, Tailwind CSS, Chart.js, NPM, Vercel

May 2024 – July 2024

- Built a **financial dashboard** with real-time bank data using **Plaid** and **Chart.js** for visualizations
- Applied **React Hook Form** + **Zod** for robust form handling and data validation, ensuring high data integrity

Real Estate Marketplace App | React Native, TypeScript, Vercel, Appwrite

Jan 2024 – May 2024

- Created a **full-stack real estate app** with responsive mobile UI and real-time property listings, leveraging **React Native** and **TypeScript**
- Integrated centralized data fetching and Google Authentication, reducing load times and improving security

EDUCATION

California State University, Fullerton

Fullerton, CA

Master of Science, Computer Science (GPA 3.8/4.0)

August 2023 - Present

Relevant Courses: Advanced Algorithms, Advanced Blockchain, Cloud Computing, Advanced Database Systems

University of Mumbai, India

Mumbai, IN

Bachelor of Engineering, Computer Science (GPA 3.25/4.0)

August 2017 - May 2021

Relevant Courses: Operating Systems, Artificial Intelligence, Data structures, Object-oriented programming

SKILLS

Languages and Frameworks: JavaScript, TypeScript, React.js, Node.js, Nest.js, React Native, Redux, Tailwind CSS, Java, Python, C++, MySQL.

Cloud Technologies: Azure, Google Cloud, AWS (Sagemaker, EC2, Lambda, S3).

Software and Tools: JIRA, Vite, Webpack, Storybook, Postman, GitHub, Bitbucket, Google Analytics, MongoDB.

Certifications: [Oracle Cloud Infrastructure Generative AI Professional](#)