# Sumit Michael Rodrigues

562-549-9508 | Fullerton, CA | [sumitrod11@gmail.com](mailto:sumitrod11@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

**California State University, Fullerton** — Fullerton, CA
*Master of Science, Computer Science (GPA 3.7/4.0)* — *Expecting May 2025*

**University of Mumbai** — Mumbai, India
*Bachelor of Engineering, Computer Science (GPA 3.25/4.0)* — *May 2021*

## SKILLS

**Languages and Frameworks:** Java, Python, C++, JavaScript, ReactJS, NextJS, SQL.
**Big Data Technologies:** Hadoop, Apache Spark, Cassandra, Kubernetes.
**Cloud Technologies:** AWS (Sagemaker, EC2, Lambda, S3).
**Software and Tools:** GitHub, Jupyter Notebook, Agile, Kanban, JIRA, Confluence, Android Studio, Eclipse, Jenkins, Visual Studio, Microsoft Excel.
**Certifications:** Oracle Cloud Infrastructure Generative AI Professional.

## EXPERIENCE

**California State University - College of Communication** — August 2023 – Present
*Web Developer* — *Fullerton, CA*

- Developed web applications using **JavaScript**, **HTML**, and **CSS** to enhance **user experience**, resulting in a 30% increase in **user engagement**.
- Managed and **maintained** campus computer labs using **Python scripts to automate tasks**, reducing downtime by 20%.
- Optimized the College of Communication website to handle increased **user traffic**, successfully supporting **10k monthly visitors** by enhancing **backend infrastructure** and improving **response times** by 15%, resulting in improved **reliability** and **scalability** of the platform.
- Provided **user support** for applications in clinical and R&D labs, ensuring smooth operation and addressing technical issues promptly.

**BNP Paribas** — September 2021 – July 2023
*Associate Software Engineer* — *Mumbai, India*

- Led a team of 5 in **software engineering** projects using **Java** and **Eclipse**, delivering projects two weeks ahead of schedule.
- Implemented **automation testing frameworks** using **Selenium** and **JUnit**, reducing manual testing efforts by 30% and improving **code quality**.
- Utilized **JIRA** and **Confluence** for **project management** and **documentation**, improving team **collaboration** by 40%.

**TechHighway Systems Pvt. Ltd.** — May 2020 – July 2020
*Web Development Intern* — *Pune, India*

- Designed and developed **user interfaces** using **React** to create **responsive web applications**, increasing **customer satisfaction** by 35%.
- Collaborated with designers using **Figma** to ensure seamless **integration** of **UI/UX designs**, enhancing the overall **user experience** by 30%.
- Maintained backend services using **Node.js**, ensuring high **performance** and **scalability**, decreasing **server processing times** by 25%.

## PROJECTS

**ArticleBuzz – Predictor: Anticipating Article Shares** — August 2023 – December 2023

- **Implemented machine learning algorithms** in a collaborative **Agile** environment, demonstrating innovative use of technology for **predictive analytics**, achieving a **96.78% success rate** using the **XGBoost algorithm**.
- **Tech Stack** used was **AWS EC2 Instance**, **SageMaker**, **Lambda Function**, **S3 Bucket**, **Machine Learning Algorithms**.

**Airline Performance and Flight Delay Analysis** — January 2024 – May 2024

- **Utilized Parquet file format** for efficient **columnar storage** and **compression**, **optimizing data processing** and **querying** within the **data pipeline**.
- **Set up** a robust **data processing pipeline** using **Kubernetes** for **deployment orchestration**, **Apache Spark** for **processing Parquet datasets**, **Cassandra** for **scalable data storage**, and **Python** for **visualization**, increasing **data processing speed** by **50%**.

**Evergreen Bank** — May 2024 – Present

- **Created Evergreen**, a financial SaaS platform with **Next.js**, **TypeScript**, and **Appwrite**, incorporating **Plaid** for real-time bank linking and **Dwolla** for secure transfers, featuring real-time updates, responsive design, and detailed transaction history.
- Built robust data visualizations with **Chart.js** and streamlined form handling with **React Hook Form** and **Zod**, ensuring efficient data processing and enhanced user experience.