

Sumit Michael Rodrigues

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EDUCATION

California State University Fullerton, USA

Master of Science, Computer Science

Expected Graduation: May 2025

Coursework: Systems and Software Standards and Requirements, Professional, Ethical, and Legal Issues for Software Engineers, Cloud Computing and Security

University of Mumbai, India

Bachelor of Engineering, Computer Engineering

CGPA (7.75/10)

August 2021

Coursework: Database Management Systems, Software Engineering, Computer Networks, Advance System Security & Digital Forensics, Distributed Computing, Machine Learning, Artificial Intelligence

TECHNICAL SKILLS AND CERTIFICATIONS

- **Certificates:** HTML, CSS and JavaScript for Web Developers (Coursera), Python Programming Language (Coursera)
- **Programming Languages:** Java, Python, HTML, CSS, JavaScript, SQL
- **Frameworks:** Next.js, React.js, Flutter, SCRUM, Selenium Webdriver, Amazon EC2
- **Cloud Technologies:** AWS SageMaker, AWS Lambda Function, AWS API Gateway, Amazon EC2
- **Tools:** JIRA, Jupyter, Visual Studio

EXPERIENCES

California State University Fullerton

Fullerton, CA

Graduate Student Assistant of IT Consultant | Part-Time

August 2023 - Present

- Implemented vulnerability scanning protocols using the Qualys dashboard for risk assessment of servers and cloud security, achieving an impressive average of 90% risk mitigation, safeguarding sensitive data storage for more than 2,000 users
- Executed accessibility testing and continuous website monitoring, ensuring WCAG-compliant accessibility score of 98% using Compliance Sheriff and facilitated seamless content updates for the website, leveraging HTML, CSS, using OMNI CMS tool
- Migrated virtual desktops from Virtual Computer Labs to AWS AppStream 2.0 using image builder, enhancing the efficiency and scalability of the College of Communication, resulting in 20% better performance and 35% less downtime
- Managed and maintained 150+ MacOS and Windows devices in labs, reducing downtime by 30% through updates, performance monitoring, used Microsoft Defender and delivering efficient technical support to faculty, achieving a 98% satisfaction rate

BNP Paribas

Mumbai, India

Associate Software Engineer | Full-Time

September 2021 – July 2023

- Enforced Data Protection standards using Delphix Masking Tool, SQL Server, Oracle, Confluence, JIRA and Excel across enterprise apps
- Automated Delphix masking Jobs with Python for 40% faster processing and streamlined Confluence documentation with Selenium Webdriver and Java for improved efficiency
- Created a Python Automation Script to optimize validation procedures for the Enterprise Data Warehouse (EDW), reducing manual effort and increasing operational efficiency
- Examined and Validated API using the Ready API tool for SOAP and REST APIs in various banking applications

TechHighway Systems Pvt. Ltd

Mumbai, India

Web Development Intern | Part-Time

May 2020 - July 2020

- Constructed and Designed web applications using Python, JavaScript, and Flutter
- Collaborated with the application team to gather requirements and developed a process mapping flowchart

PROJECTS

ArticleBuzz - Predictor: Anticipating Article Shares | Amazon EC2, SageMaker, AWS Lambda Function, API Gateway

- Developed a real-time article popularity prediction algorithm using AWS API Gateway and AWS Lambda, leveraging a dataset from UC Irvine for training and fine-tuning to provide content creators and platform administrators with actionable insights.
- Implemented a comprehensive tech stack including HTML, JavaScript, CSS, FastAPI, NGINX, and cloud-based services, ensuring scalability, flexibility, and real-time predictions to optimize content strategy and resource allocation.

Playing 3D Games Using Hand Gestures | Python, Background Subtraction, Contouring, Object Detection

- Developed an AI-based object detection system to control the movements of the in-game character using the user's hand gestures

TourismZilla - Tourism Management System | HTML, CSS, JavaScript, MySQL, PHP, and XAMPP Server

- Designed and implemented a comprehensive tourism management website, integrating seamless booking functionality and visually captivating web pages.