RISHWA PATEL

(562) 826-2424 | rishwapatel344@gmail.com | linkedin.com/in/rishwa-patel/ | github.com/rishwa344

EDUCATION

Master's of Science in Computer Science, California State University, Long Beach   **Jan 2023 - Dec 2024**
Coursework: Algorithms, Software Engineering, Blockchain Technology, Artificial Intelligence, Machine Vision
Bachelor's of Engineering in Information Technology, Gujarat Technological University   **Aug 2017 - Jun 2021**
Coursework: Data Structures, Object-Oriented Programming, Database Management Systems, Operating Systems

TECHNICAL SKILLS

Programming Languages: C++, Java, Python, .NET, C#, ASP. Net, C, Scala, JavaScript, Ajax, GO, HTML5, CSS3
Databases and Cloud: MySQL, Oracle, NOSQL(MongoDB), React Query, PostgreSQL, Azure, GraphQL, AWS (Lambda, S3 Bucket)
Web Development: ReactJS, Next.JS, ExpressJS, Angular, Flask, Bootstrap, TypeScript, NodeJS, Chart.js, Chakra UI, Redux
Tools/Others: Spring Boot, Kafka, JDBC, Maven, Gradle, JUnit, Mockito, Hibernate, Git, JPA, Postman, Heroku, MVC, Agile Methodologies, RESTful API, NumPy, OpenCV, PyCharm, Visual Studio, Linux, Tableau, Unix, Slack, Jira, Machine Learning

WORK EXPERIENCE

Software Developer - Cybage Software   **Apr 2021 - Jan 2023**
- Spearheaded **full-stack development for 80%** of core modules in the eZmar by **medicalistics** using .NET, Angular, and SQL, ensuring seamless feature deployment via CI/CD pipelines
- Refactored **backend architecture** for Health Management System, optimizing over 50+ complex SQL queries, removing redundant processes, resulting in increased system scalability by 10% and **reduced response time by 20%**
- Led **bug resolution and feature implementation** on the VSO platform, managing incoming issues and delivering timely fixes, leads to enhanced platform **stability and performance by 30%**
- Deployed **NUnit** for unit and integration testing, enhancing system performance and **reducing** post-deployment **bugs by 50%**

Web Development Intern - EZDI   **Jan 2021 – Mar 2021**
- Developed a multi-tasking E-learning platform **(Course Bundler)** using the MERN stack, featuring subscription, course exploration, secure access, and profile management, supporting **1,000+ users**
- Leveraged **caching mechanisms** with service workers to optimize video streaming, **reducing buffer time** by **20%** and boosting course completion rates by **10%**, significantly enhancing user experience
- Executed secure **authentication methods**, including JWT and Google login, enhancing user registration process by **30%**
- Integrated **Razorpay** for payments, improving subscription renewals and managing **200+ transactions** per month

PROJECTS

Facial Attendance Tracking System (React, Python, AWS Recognition, DynamoDB, EC2, EKS)
- Designed a **cloud-scalable** web application for employee authentication and attendance tracking, enhancing **security protocols by 30%** and improved operational efficiency
- Executed **AWS hosting** with load balancers, auto-scaling, and EKS containerization, increasing reliability and scalability
- **Optimized costs and ensured disaster recovery** using Multi-AZ deployment, data archival, and **S3 lifecycle** policies

Work-In-Office Reservation System (Java, Spring Boot, React, MySQL, OAuth, AWS, Microservices)
- Engineered comprehensive office attendance and seat reservation system utilizing **Spring Boot and React** and implemented transactional **bulk operation APIs**, reducing overhead by 40% for seat reservations and employee creation
- Achieved data integrity through validated seat reservation APIs, **reducing data errors by 30%** and improving reliability

Handwritten Text Recognition Feedback System (Python, HTML, CSS, JS, Flask, CNN)
- Designed a system capable of detecting handwritten images of feedback forms and classifying them into 3 sentiments
- Deployed **Azure Computer Vision API** on AWS S3 for handwritten text recognition and utilized advanced text mining techniques to construct structured data with **90-95% accuracy**, leveraging libraries such as NumPy, Pandas, xlrd, and Regex
- Trained a **sentiment analysis** model on a customer dataset consisting of **160k scalable data points**, resulted into an impressive **93.13% accuracy** on 32k customer reviews

Vaccine Slot Notifier India (Spring Boot, AWS Lambda, Co-Win Public APIs)
- Created a software calling **Co-Win public APIs**, fetching latest slot availability data and sending notifications 3 times a day to people based on 4 major **registration parameters** (Age Group, District, State, Vaccine)
- Introduced the application on **AWS Lambda** with cron expressions for automated scheduling, securing reliable notifications
- Integrated **Jenkins for continuous integration**, enabling rapid updates and maintaining **system reliability by 50%**