

# Ritesh Sanjay Sandbhor

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## SUMMARY

Passionate & results-driven Software Developer with 3+ years of full-stack experience, building scalable applications for global clients. Proficient in designing & building robust applications, with strong skills in project leadership & cross-functional collaboration.

## EDUCATION

### Master of Science (MS) in Computer Science

George Mason University, Fairfax, VA

Aug 2024 – May 2026

CGPA: 3.72/4.0

Coursework: Analysis of Algorithms, Database, Secure Software Design and Prog., Computer Systems and Fundamentals of Systems Prog.

### Bachelor of Engineering (BE) in Information Technology

University of Mumbai, K J Somaiya Institute of Engineering and Information Technology, Mumbai, MH

Aug 2017 – May 2021

CGPA: 8.47/10.0

Coursework: Data Structures, Java, Python, Software Engineering, Object Oriented Prog., Unix, Big Data, DevOps, AI, Cloud Computing.

## TECHNICAL SKILLS & CERTIFICATIONS

**Programming | Web Tech** : Python, Java, PHP, JavaScript, C++, C | HTML5, CSS3, Bootstrap

**Tools & DevOps** : Oracle Siebel CRM, GitHub, Docker, Jenkins, JIRA, LUMOS, Bitbucket

**Databases | Analytics** : MySQL, PostgreSQL, MongoDB, Oracle, SQL Server | Data Analysis, Data Visualization

**Business | Leadership** : MS Office, Advance Excel | Decision Making, Leadership, Collaboration, Program Coordination

**Certifications** : SQL for Data Science, Data Analysis & Statistics, Advanced Excel, Machine Learning Foundations

## PROFESSIONAL EXPERIENCE

### AI Automation Technology Intern *VisioneerIT*, Baltimore, USA

Aug 2025 – Present

Tools/Technologies: Python, Scikit-learn, TensorFlow, PyTorch, AWS (EC2, S3, SageMaker), Docker, Kubernetes, Prometheus, CloudWatch.

- Develop AI/ML models for fraud detection using Python, Scikit-learn, TensorFlow, PyTorch, and real-world datasets with high accuracy.
- Automate MLOps CI/CD pipelines with AWS SageMaker, Jenkins, and robust monitoring for enhanced model performance and reliability.
- Manage AWS cloud infrastructure (EC2, S3, SageMaker) with Terraform, ensuring scalability, high availability, and cost efficiency.
- Integrate security into DevOps with SAST/DAST checks, SOC2/PCI-DSS compliance, and secure deployment protocols for data protection.
- Optimize performance and security using Prometheus, Grafana, and CloudWatch with detailed analytics reporting and alert systems.
- Collaborate with AI and DevOps teams to deliver innovative automation solutions, improve workflow efficiency, and meet client needs.

### System Engineer – Software Developer *Tata Consultancy Services (TCS)*, Pune, India

Jun 2021 – Jul 2024

Tools/Technologies: Oracle Siebel CRM, Oracle SQL, Java, JavaScript, HTML, CSS, LUMOS, Git, Jenkins, JIRA, MS Excel.

Awards: Rising Star Award, Best Team Award, 4x On-the-Spot Awards, AIP Anchor Award.

- Developed 25+ user stories, enhancing 10M+ user experience, cutting changes by 15%, improving timelines, and boosting client satisfaction.
- Designed & tested solutions with unit test cases, reducing testing time by 30%, bugs by 25%, & enhancing code quality metrics.
- Resolved critical issues in Dev, UAT, Prod with Oracle SQL, ensuring 99.5% uptime, seamless deployments, client trust, and zero downtime.
- Collaborated on Siebel CRM upgrades & performance tuning, boosting system efficiency by 15%, driving success, & strengthening synergy.
- Managed onboarding for 50+ members, organized 25+ events with JIRA tracking, increased engagement by 20%, and led safety drills.

### Web Developer Intern *Mindscrip Pvt Ltd*, Thane, India | Project Link: [Mobisportz Event Section](#).

Jun 2019 – Dec 2019

Tools/Technologies: HTML, CSS, Bootstrap, JavaScript.

- Developed Mobisportz website's Event Section using HTML, CSS, Bootstrap, JavaScript, enabling real-time updates for 5,000+ users.
- Boosted engagement by 25% through stakeholder collaboration, aligning with business goals for a seamless, impactful user experience.

## PROJECTS & RESEARCH PUBLICATION

### E-Lifeferve – Research Project | *Published in IJREAM*

Jun 2020 – Jun 2021

Tools/Technologies: Arduino, JavaScript, HTML, CSS, PHP, SQL, Git.

**Publication:** E-Lifeferve, International Journal for Research in Engineering Application & Management (*IJREAM*), *IJREAMV07I0476091*.

- Developed IoT system with Arduino to monitor ECG, temp, oxygen, aiding 100+ patients via remote diagnosis with a 3-member team.
- Built real-time data collection with IoT sensors, creating a PHP web portal for accurate doctor data access on mobiles under tight deadlines.
- Boosted diagnostic efficiency by 30%, reduced errors by 20% with SQL optimization, and ensured 24/7 system availability with robust backups.

### SIMS (Student Information Management System) – *University-Level Project (Live & Actively Used)* | Project Link: [SIMS](#)

Jun 2019 – Ongoing

Tools/Technologies: JavaScript, HTML, CSS, PHP, Bootstrap, SQL, AJAX, jQuery, PWA, Git.

**Appreciation:** Letter from KJSIEIT IT Dept. and Principal; Finalist, Avishkar Research Convention 2020–21 (Mumbai Univ.).

- Developed and deployed a PHP/SQL web/mobile platform for 5,000+ students, automating attendance, grades, events with a 4-person team.
- Enhanced accessibility with AJAX real-time updates, improving reliability across KJSIEIT amid high user demand and peak traffic.
- Created Admin Module with import/export tools, boosting efficiency by 75% over five error-free years using PWA and Git versioning.

### SARI Disease Survey Application – *Government Project* | Project Link: [SARI](#)

Apr 2020 – Jun 2020

Tools/Technologies: JavaScript, HTML, CSS, PHP, SQL, AJAX, jQuery, PWA, Git.

**Appreciation:** Letters from the District Health Officer, Zilla Parishad Solapur, Maharashtra, India and the KJSIEIT, Mumbai Principal.

- Built web/mobile app for Solapur Municipal Corp. in three days, supporting 20+ healthcare workers during a health crisis and lockdown.
- Enabled real-time tracking of 1,000+ SARI cases with AJAX, overcoming network delays to deliver critical data swiftly and accurately.

## EXTRACURRICULAR & LEADERSHIP

- Manager on Duty, Freedom Aquatic & Fitness Center** Managed facility operations, enforced safety protocols, and handled emergencies.
- Inclusive Teaching Mini-Course, CEC & Stearns Center, GMU** Trained in equitable STEM teaching and inclusive classroom strategies.
- Workshop – "Empowering the Future of Web Dev", KJSIT** Led hands-on workshop on HTML, CSS, JS, and PHP for student skill-building.
- Training and Placement Student Coordinator, KJSIEIT** Coordinated recruitment drives, supported 200+ students with resume prep.
- Floor Marshal, Tata Consultancy Services** Led safety drills and evacuation protocols, showcasing leadership skills.