

Siddhant Rao

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EXPERIENCE

BrowserStack	Jan 2025 - Present
Software Engineer, Internship Full-time	Mumbai, India
- Migrated uptime alerting from a custom InfluxDB app to VictoriaMetrics using PromQL, reducing reporting latency by 87% (8 mins to 1 min) and optimizing Grafana dashboards. - Authored 20+ Playwright iOS commands including complex network interception, resolving major blockers to secure enterprise deals worth \$300K+. - Patched Playwright Java client to add support for Android automation. - Added automation support for Edge and Firefox in Android devices and Chrome for Testing on desktop. - Designed Jenkins jobs and custom AI workflows to automate CI/CD pipelines and complex background business-as-usual (BAU) processes. - Conducted deep-dive RCA for backend production incidents, driving immediate architectural fixes and ensuring high availability across systems.	
Dorian Mode Technologies	May 2024 - Jul 2024
Software Engineer Backend, Internship	Thane, India
- Engineered a real-time concurrent messaging system using Django Channels (WebSockets) supporting high-throughput file uploads. - Architected an automated data pipeline that dynamically sanitizes, cleans, and maps large external spreadsheet payloads into a standardized relational schema. - Integrated Razorpay APIs for secure subscription webhook handling and built a granular RBAC admin dashboard.	

EDUCATION

Sardar Patel Institute of Technology	Dec 2021 - May 2025
Bachelor of Technology in Computer Science and Engineering	GPA: 7.9

TECHNICAL SKILLS

Languages: C++ (STL), Python, Java, Swift, JavaScript, Ruby
Databases & Infrastructure: MySQL, VictoriaMetrics, Jenkins, Terraform
Backend & APIs: Node.js/Express, Ruby on Rails, Django, Flask, gRPC, WebSockets, RESTful APIs
Tools & Automation: Git, Linux, Playwright, Selenium, Appium, Grafana

PROJECTS

Distributed Image Enhancer (GitHub) [Role: Distributed Systems Architecture]	Mar - Apr 2024
- Designed a highly concurrent coordinator-worker distributed computing system to process intensive image enhancement workloads. - Engineered the coordinator node to chunk large image payloads using Pillow and distribute computational tasks across worker nodes utilizing a round-robin scheduling algorithm. - Utilized gRPC for low-latency, bidirectional internal node communication and built a REST endpoint for asynchronous client ingestion.	
Café Companion (GitHub) [Role: Mobile App and Backend]	Mar 2024
- Built an AI-powered companion for cafés having an admin dashboard, mobile app, and a WhatsApp chatbot. - Users can view items in AR and place orders through the mobile app. - Used browser automation via Selenium in the Flask server to scrape competitor data for analysis and insights.	

ACHIEVEMENTS

Classifi	Won 1st place in this hackathon at IIT Bombay's Techfest'24	2024
SPIT Hackathon'24	Won 2nd place in this hackathon held at SPIT	2024
HackAI	Placed 2nd in this hackathon at IIT Bombay's Techfest'23	2023
Codeissance'23	Won 1st place in this hackathon held at TSEC	2023
FleetRisk Business	1st Runner-up in this competition at IIT Bombay	2023