

# SRISHTI SACHAN

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## EDUCATION

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

University of Southern California, Los Angeles, USA

Aug 2024 - Present

### Bachelor of Engineering (B.E), Computer Engineering

Army Institute of Technology, Pune, Maharashtra

Jun 2016 - Jul 2020

CGPA: 9.32/10

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## PROFESSIONAL EXPERIENCE

### Software Engineer, British Petroleum, Pune, India

Apr 2023 - Jul 2024

- Engineered feature converting well project data to CSV, enhancing accessibility. Devised parsing logic for JSON and .out files, and introduced a download modal, boosting user engagement by 10% per region in a month.
- Optimized user creation with MSAL authentication, automating record generation upon landing. Enhanced security with authorized access, eliminated redundancy, reduced overhead by 5%, and centralized creation for efficiency.
- Integrated well data from ADI into SIFT, managing zones and completion. Streamlined by reducing redundant entry, leading to 70% less final output time.
- Introduced micro frontend architecture via Webpack's module federation, enabling newer tech adoption and BP's design standards. Improved scalability, maintainability, development speed by 30%, and reduced deployment issues by 20%.
- Developed landing and Well Information page for SIFT new UI, integrating headers, notifications, multiple tables, and modals. Increased BP principles adherence to 100%.
- Enhanced backend test coverage from 36% to 82% using xUnit framework. Addressed 20+ critical bugs, implemented timely hotfixes for stability, and increased performance.

### Software Development Engineer 1, Amazon, Bangalore, India

Nov 2021 - Nov 2022

- Led launch of Spends Aggregation for account updates, integrating new entities for budget caps. Orchestrated aggregation using Lambda functions, SNS, and SQS for event-driven reprocessing and client onboarding.
- Designed API empowering sellers and vendors to monitor real-time ads budget consumption, enabling instant visibility instead of relying on 80% threshold notifications. Resulted in 60% reduction in ads exceeding budget limits.
- Implemented critical logic enabling 10,000+ sellers to efficiently manage account level budgets by determining real-time ads budget consumption across multiple campaigns.
- Led integration of click and impression data pipelines, merging ingestion stores and computation units. Achieved \$1000 weekly cost reduction per region.
- Addressed 50+ on-call production issues, spanning crucial bug fixes, technical solutions, and scaling efforts during peak periods like Amazon Prime Day and Black Friday to ensure system reliability and operational excellence.
- Improved code quality and efficiency through 50+ PR reviews, advocating code reuse and enhancing test coverage.

### Schlumberger, Software Engineer, Pune, India

Sep 2020 - Oct 2021

- Engineered user administration for 10+ distinct access levels in the Global Activity Capture (GAC) app.
  - Resolved 30+ bugs across backend and frontend, enhancing stability and performance. Utilized Angular, Java 8+, and SQL for seamless development and execution.
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## SKILLS

**Programming Languages & Frameworks:** Java, C++, C#, Python, JavaScript, HTML, CSS, React, Angular, Spring.

**Tools & Platforms:** AWS, Azure, Git, Jenkins, Maven, Azure DevOps, gRPC, Redis, MySQL, DynamoDB, MongoDB.

**Technologies & Concepts:** Object Oriented Programming, Microservices, CI/CD, Unit/Functional Testing, Jest, JUnit, Mockito.

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## CODING PROFILE LINKS

[Leetcode](#), [Geeksforgeeks](#), [Codeforces](#), [Hackerrank](#)

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## ACHIEVEMENTS

- Achieved 1st Runner-Up at Rajkot Smart City Hackathon.
- Cloud Hero Competition Winner (Schlumberger).
- Achieved 2nd Runner-Up in Amazon internal Hackathon.
- Academic Appreciation Certification by the Education Minister of India.
- Recipient of Tata Merit, AWES, and Bhadve Scholarships.
- Won Silhouettes 2017 at AFMC and inter-branch choreography competitions in 2017 and 2018 at Army Institute of Technology.