# Prachi Ranjit Sudrik

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## EDUCATION

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| **University of Southern California, Los Angeles** | Masters of Science in Computer Science | **DEC  2023** |
| **Pune Institute of Computer Technology**  | Bachelor of Engineering, Computer Science | **MAY 2018** |

**Relevant Coursework:** Design and Analysis of Algorithms, Database Systems, Web Technologies, Information Retrieval and Web Search Engines, Operating Systems, Object Oriented and Multicore Programming, Concurrent and Distributed Programming, Computer Networks, Computer Security, Modern Compiler Design, High-Performance Computing

## TECHNICAL SKILLS

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| Programming/Scripting Languages: | Python, Java, TypeScript, ABAP |
| Libraries/Frameworks: | SpringBoot, Maven, GraphQL, React, Angular, Datadog, Splunk, Junit, Mockito |
| Databases: | MySQL, MongoDB, Neptune, Gremlin |
| Tools: | GIT, Jenkins, Jira, Confluence, Tableau, Kanban, Unity, Android Studio, SAP ERP |

## WORK EXPERIENCE

**Sony Playstation | Software Engineer Intern** (San Diego, California)                                   **MAY 2023-PRESENT**
- Developed web application using React and Spring Boot, delivering modern UI and robust backend functionality
- Streamlined development processes by optimizing dependency management, project builds with Maven, and ensuring code quality through rigorous testing using JUnit and Mockito
- Ingested data into a Neptune graph database using Python Gremlin query language and deployed on AWS EC2
- Working on the Java 8 to Java 17 microservices upgrade, automating build, testing, and deployment using Jenkins, and managing real-time monitoring and alerting with DataDog for application stability

**University of Southern California | Teaching Assistant - ITP 422** ( Los Angeles, California)         **AUG 2022-PRESENT**
- In charge of creating course material,  grading quizzes ,and assessing and assigning homework assignments
- Handle TA hours to resolve all issues that students face for the course Configuring Enterprise Resource Planning Systems( ITP 422)

**University of Southern California - Viterbi Robotics & Coding Academy | RCA Mentor**          **NOV 2022 - JAN 2023**
- Designed and planned a robotics curriculum for 30 students for their after-school program
- Mentored students to build and direct robots using Wallaby controller and C

**Schlumberger | Software Developer - II**   (Pune, India / Bogota, Colombia)                           **JUL 2018-DEC 2021**
- Developed over 150 programs, interfaces, and reports for Human Resources and Master Data workflows  for the global rollout of the Enterprise Resource Planning System while working in a cross-functional agile SCRUM team
- Created interactive dashboards using advanced querying and BI tools such as Power BI and Tableau
- Implemented ODATA-based web services to integrate SAP with real-time data pipeline employing Apache Kafka for its consumption by various BI and analytics tools
- Migrated Schlumberger's legacy systems to Success Factors for 80 countries with immense success in the major release PC3.2 (Delivered 4 weeks prior than expected with an overall 15% more efficiency)

## PROJECTS

**Cure-Feed | HackSC 2022**                                                                                                             **FEB 2022**
- Built web application using Flask and React where users can create and search various cooking recipes based on the readily available ingredients at home
- Utilized MongoDB with Firebase and MongoDB atlas with Compass for authentication and data storage
- Tracked API performance metrics and health checks using the Kibana dashboard application

**Fail-Safe Message Router**                                                                                                          **JAN 2021-APR 2021**
- Implemented a Distributed Hash Table by performing ID space partitioning/repartitioning, Ring-based routing, and node joins in a chord architecture using android virtual devices on android studio
- Built the application using Java TCP/IP Socket Programming

## LEADERSHIP AND INVOLVEMENT

- Advised students with projects and coordinated technical coding events under **PICT ACM** Student Chapter
- Coordinated events under **Connect Women** to empower women to achieve their full potential at Schlumberger
- Volunteered at NGO **Oxfam** Trailwalker to support child education, and end poverty and injustice in India