

Satyam Sharma

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Full Stack Developer with ~4 years of experience, having contributed to over 10+ successful projects, now pursuing an MS in Computer Science for enhanced software solutions, open for an internship or full-time role from May 2024

[Portfolio](#) [Linkedin](#) [GitHub](#)

EXPERIENCE

Associated Student Union (ASI)

Aug 2023 – Present

Application Developer (Part-Time)

Long Beach, CA

- Engineered **React.js**, **JavaScript**, Tailwind SCSS, Jotai, and Git to develop 22 West Media web applications.
- Enhanced user engagement by optimizing streaming analytics by enforcing Triton Digital APIs for 2 departments.

College of Engineering (CSULB)

May 2023 – Dec 2023

Research Assistant (Part-Time)

Long Beach, CA

- Authored a research paper on RL findings, accepted at the **2023 IEEE** Workshop, 10+ panelists with just 20% acceptance.
- Simulated a Panda UR5 robotic arm env for Pick-Place configuration, introducing a safety barrier using RL.

EXL Services

Aug 2022 – Dec 2022

Senior Executive (Sr. Full-Stack Developer)

Noida, India

- Devised React-based (Redux) analytics using storyboards with advanced visualization libraries, resulting in 25% faster communication of complex data insights.
- Improved client service and response time by developing efficient **SQL** queries for **API** requests on the EDEN platform.
- Enriched software quality and delivery efficiency by fostering collaboration in a **CI/CD** environment utilizing Jira with cross-functional teams.

Tata Consultancy Services (TCS)

Jun 2019 – Aug 2022

Systems Engineer (Full-Stack Developer)

Noida, India

- Operated as the Scrum Master for a diverse 6-member team, encompassing entry-level to senior developers, on React Frontend and **Flask** Backend projects. Spearheaded team discussions and client interactions.
 - Directed a real-time dashboard using pg-client for tracking processed documents, reducing data processing time by 40%. Followed ES6 Standards for React-based Single Page Application, Object Oriented Design.
 - Adapted multiprocessing backend using **Python** in an MVC pattern, cutting site maintenance time by 25%. Conceptualized dashboard for data visualization using Re-Charts, resulting in a 20% increase in user engagement.
- Revised medical image optimizing algorithm, cutting pre-processing time by 10%. Developed Flask APIs and system diagrams, enhancing integration and data transactions. Led an interview campaign with 300+ participants.
- Authored an interactive JavaScript portal (AJAX) for data filtering and visualization utilizing HTML5, CSS, and JS. Directed VBA, Python, and JS automation, enhancing internal efficiency by 30%.

EDUCATION

California State University, Long Beach

Jan 2023 – Present

Master of Science, Computer Science

Long Beach, CA

- Awards:** Winner [Marina Hacks 3.0](#) Hackathon, Built collaborative AI-powered tool, Stable Diffusion, Node-Server.io, Python, and React
- Academics:** Adv. Software Engineering, Adv. Artificial Intelligence, Adv. Analysis of Algorithms
- Publications:** QRS 2023 - 23rd IEEE Workshop (Using Reinforcement Learning and Formal Verification)

SRM Institute of Science and Technology

May 2015 – Jun 2019

Bachelor of Technology, Computer Science

New Delhi, India

- Achievements:** ACM ICPC Regionals 2017, Selected from over 10,000 students at Amritapuri

OTHER

- Volunteer Work:** SpaceLabs(Open Source) Backend Developer, AWS Cloud Lambda data Pipelines and API Dev
- Technical Skills:** PostgreSQL, MySQL, Node.js, TypeScript, MongoDB, JAVA
- Certifications:** Microsoft Azure Fundamentals (AZ-900), The Data Science Course 2021(Career 365)