Satyam Sharma

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EDUCATION

California State University - Long Beach   Long Beach, CA
Master of Science in Computer Science   *Jan. 2023 – Dec. 2024*

SRM Institute of Science and Technology   Chennai, India
Bachelor of Technology in Computer Science   *May. 2015 – May. 2019*

EXPERIENCE

Application Developer Intern   Aug 2023 – Present
Associated Student Union   *Long Beach, CA*
- Engineered React.js, JavaScript, Tailwind SCSS, Node.js, and Git-based 22 West Media web applications, enhancing user engagement by 30% through improved UI/UX and Software Development.
- Outlined Joomla and WordPress backend services for 3 university websites *(22westmedia.com)* including Database Design, Performance Tuning, and outlined rules for Data Modeling.

Research Intern   May. 2023 — Dec. 2023
College of Engineering (CSULB)   *Long Beach, CA*
- Authored a research paper on Machine Learning, Formal Verification on Critical Systems findings accepted at the 2023 IEEE Conference, 10+ panelists with just 20% acceptance rate *(ieeexplore.ieee.org/document/10429991)*.
- Designed and executed simulation for a UR5 Robotic Arm in a virtual Pick-Place environment, applying reinforcement learning (RL) techniques to develop a safety barrier algorithm, reducing operational risks by 20%.

Senior Executive   Aug. 2022 — Dec. 2022
EXL Services   *Remote*
- Utilized React, Redux, and D3.js for data analytics storyboard creation, accelerating complex data insight communication by 25%, while leveraging *SQL for .Net APIs*.
- Enriched software quality and delivery efficiency by fostering collaboration in a CI/CD environment utilizing Jira with cross-functional cloud-based architecture, successfully handled 80% workload from the initial month.

Systems Engineer   Jun. 2019 — Aug. 2022
Tata Consultancy Services (TCS)   *Noida, UP*
- Leveraged TensorFlow and YOLOv3 for pattern recognition, resulting in an 80% accuracy improvement in anomaly detection, utilizing *Spacy for NLP*, based on 100+ testing documents.
- Revised medical image optimizing algorithm using multiprocessing, cutting pre-processing time by 10%. Developed Flask APIs and system diagrams, enhancing integration and data transactions.
- 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%.

PROJECTS

Marina Art (Winner MarinaHacks 3.0) | *Redux.js, PostgreSQL, Docker, Git, Tensorflow, LLMs*   Aug. 2023
- Incorporated the *Stable-diffusion model* to bring sketches to life, unlocking Generative AI in creative space.
- Implemented *Server.io* real-time messaging communication and art collaboration app using Node.js, Testing.

Find Yo Passion (BeachHacks 7.0) | *ChatGPT-API, Node, Javascript, HTML, Tailwind, SCSS, Git*   June. 2023
- Deployed the Davinci Large Language Model to answer people's passion based on personalized questions.
- Implemented *Full-Stack app* with real-time graphic updates and continuous delivery using Netlify, Github.

SKILLS

Languages: Java, Python, C++, C#, MySQL, Postgres, JavaScript, VBA, HTML, CSS, SCSS
Frameworks: React.js, MongoDB, Node.js, Flask, Next.js, AngularJS, GraphQL, Linux, Figma, Bootstrap, Mujoco, .Net Framework, Spring Boot, Express.js, jQuery, Jenkins, Kubernetes, Panda, Django, MERN Stack
Certifications: Microsoft Azure Fundamentals (AZ-900), The Data Science Course 2021 (Career 365)
Achievements: ACM International Collegiate Programming Contest Regionals, 2017 (ACM-ICPC)
Open Source: SpaceLabs(Open Source) Backend Developer, AWS Cloud Lambda data Pipelines, EC2, RDS, AWS
Soft Skills: Leadership, Public Speaking, Teamwork, Adaptability, Analytical Thinking, Attention to Detail