

SHARAN MURLI

Los Angeles, CA, USA | +1 (805) 891-6753 | murli@usc.edu | <https://www.linkedin.com/in/sharan-murli> | <https://github.com/sharanmurli>

EDUCATION

Master of Science in Computer Science (c) **MAY 2023 – DEC 2024**
University of Southern California, Los Angeles, USA **GPA: 3.5/4.0**
Coursework: Algorithms, Databases, Web Technologies, Advanced Mobile Devices, Information Retrieval, Machine Learning

Bachelor of Engineering in Computer Engineering **AUG 2017 – JUN 2022**
SIES Graduate School of Technology, Mumbai, India **GPA: 9.3/10.0**
Coursework: Data Structures, Algorithms, Artificial Intelligence, Cloud Computing, Operating System, Machine Learning, Big Data

EXPERIENCE

Gozoop Online Private Limited **Mumbai, India**
Software Developer Intern, Technical Team **JUL 2022 – NOV 2022**

- Constructed web systems and backend functionalities, creating responsive landing pages and added **GSAP animations**
- Applied **A/B testing** and engagement metrics to optimize HTML mailers, with a **25% improvement** in open and click-through rates
- Performed live updates on the corporate website, **boosting user engagement by 18%** through improved load times and clear CTAs

Appetite Kitchens **Mumbai, India**
Full Stack Web Developer Intern **JUL 2021 – DEC 2021**

- Led web development and designed intuitive UI/UX from scratch, elevating user experience and application functionality
- Implemented dynamic features, such as interactive menus, live updates, and customer reviews, improving the overall site usability
- Added a contact form to store data in an Excel sheet using **Google Apps Script** for efficient management

Outrider Tech Pvt. Ltd **Mumbai, India**
Software Developer Intern, Technical Team **SEP 2020 – JUN 2021**

- Developed a Web application, integrated to a Flutter App for sales heads to communicate, review performance, and track sales targets
- Utilized geofencing technology to provide location-based services for real-time analysis, achieving **90% proximity accuracy**
- Engineered secure Node.js APIs and a robust caching system, **enhancing efficiency by 50%** and ensuring data availability

PROJECTS

eBay Product Search Platform (Python, Node.js, Express.js, Angular.js, SwiftUI, GCP, Flask, JSON, HTML, CSS, JS, Bootstrap, REST API)

- Conceived and developed a Web and IOS Application, incorporating a Node/Express proxy server to access the eBay API
- Crafted a product search platform to integrate various REST APIs, featuring autocomplete functionality and deployed on GCP
- Leveraged Google Custom Search API for real-time product image retrieval, refining search accuracy and visual results

Agricultural Supply System with Permissioned Networks through Hyperledger Framework (Supply Chain, Hyperledger Blockchain)

- Utilized the Hyperledger framework, reducing **transaction costs by 30%** with a secure, transparent and low-cost blockchain network
- Enhanced private connectivity among peers with permissioned access, ensuring high data security and confidentiality
- Expedited information exchange, constructing a trusted distribution network benefiting farmers and consumers

Opinion Segregation using Pig and MapReduce (Apache Pig, Hadoop, MapReduce, Ubuntu, Recommendation Systems)

- Conceptualized a MapReduce application with Apache Pig and Hadoop to analyze public opinions on India's demonetization
- Collaboratively executed advanced data processing techniques for sentiment segregation and attained a **precision of 92%**
- Integrated a detailed sentiment dictionary rating words from -5 to +5 using Twitter data to classify positive and negative sentiments

Online Web Based Voting System (HTML, CSS, JavaScript, Bootstrap, Firebase, Machine Learning, Facial Recognition, HuggingFace)

- Designed a secure, user-friendly election system featuring advanced face detection and recognition technology
- Employed two-step authentication by merging facial recognition and OTP verification using Firebase Modules
- Achieved **87% accuracy**, boosting election experience with dynamic, fast, and accurate voting results

AREAS OF EXPERTISE

Programming Languages: Java, Python, C, C#, Swift, PHP, XML, SQL
Frameworks/Libraries: Flask, TensorFlow, Keras, OpenCV, Springboot, Matplotlib, Scikit-learn, Pandas, Custom Vision, HuggingFace
Cloud Platforms/Big Data Tools: Azure, AWS, GCP, Firebase, Apache Pig, MapReduce, Hadoop
Web Technologies: HTML5, CSS3, Bootstrap, JavaScript, Angular, Express.js, Node.js, React, SwiftUI, Unity Engine
Tools/Databases: Linux, JIRA, GIT, Docker, Postman, MySQL, Amazon S3, PostgreSQL, H2, MongoDB

PUBLICATION

S. Murli, "Agricultural Supply System with Permissioned Networks through Hyperledger Framework" 2022 International Conference of Trends in Engineering, Applied Sciences, and Management (**IC-TEAM**), pp. 1-11. [Link](#)

LEADERSHIP & ACHIEVEMENTS

Co-Founder at VAMSH - Vision And Mission for Serving Humanity Initiative **OCT 2020 – Present**
Identified individuals/organizations that require aid, coordinated and facilitated fundraising efforts, and ensured timely delivery of aid

CSI-SIESGST, Computer Society of India **JUL 2020 – JUN 2022**
Chairperson: Led in event planning, management, and logistics for year-round operations, spanning multiple National Events
Secretary: Conducted more than 15 dynamic events and interactive workshops across India, showcasing cutting-edge technologies