

SULONI PRAVEEN

Los Angeles, California

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EDUCATION

University of Southern California

Los Angeles, CA, US

Master of Science in Computer Science

JAN 2024 - DEC 2025

- Coursework: Analysis of Algorithms, Database Management Systems, Web Technologies, Applied Natural Language Processing

Vidyavardhaka College of Engineering Affiliated with VTU

Mysuru, Karnataka, India

Bachelor of Engineering in Computer Science

AUG 2019 - JUN 2023

- Coursework: DSA, Algorithms, Operating Systems, Web Technologies, Unix Programming, OOPS, Data Mining, AI/ML GPA - 9.16

EXPERIENCE

SARASPEECH

California, US

Software Engineer Summer Intern

JUN 2024 - JUL 2024

- Engineered home page of the Speech Articulation Reinforcement Application with React Native, React, Node, and AWS Amplify; reduced load time by 40%
- Created routing calls to all pages of the application by improving navigation speed by 25%

INVENTRON TECHNOLOGIES

Bengaluru, Karnataka, India

Machine Learning Intern

JUN 2023 - OCT 2023

- Designed **Heart Disease Prediction System** achieving an accuracy rate of 83.33% using CNN, Image Recognition techniques, NumPy, Matplotlib, and Pandas
- Upgraded prediction accuracy by 15% through iterative testing and model refinement. Led data training for team

COACHED

Mysuru, Karnataka, India

Backend Developer Intern

SEP 2022 - OCT 2022

- Devised a **Restaurant Management System** implemented on MongoDB, React and Node frameworks by streamlining restaurant operations and reducing order processing time by 50%
- Formulated innovative marketing strategies and conducted market segmentation analysis, boosting product awareness by 40%

SKILLS

- Languages:** C, C++, Java, Python, HTML, CSS, XML, JSON, JavaScript, TypeScript, PHP, Swift, MySQL
- Frameworks:** React, Node, React Native, Express, jQuery, Flask, Django, Bootstrap, Hadoop, Apache
- Cloud and Technologies:** AWS, MongoDB, PostgreSQL, Postman, Unix, Linux, Docker, Expo, XCode, Git
- Libraries:** Matplotlib, Pandas, NumPy, Keras, TensorFlow, PyTorch, OpenCV
- Others:** Software Development, Full Stack Development, Mobile Application Development, AI/ML, Research

PROJECTS

- Sequence Alignment Implementation Using Dynamic Programming in a Memory-Efficient Version** MAY 2024
Generated using VSCode, matplotlib and NumPy
- Okra Disease Detection** MAY 2023
Built by applying Resnet 18 model with an accuracy of 92.8%. Facilitated communication with farmers for dataset collection
- Crime Record Management System** APR 2022
Implemented with HTML, CSS, JavaScript, MySQL, PHP, and XAMPP server. Interacted with users for feedback
- MedTime Reminder Application** APR 2021
Developed on Android Studio (Java). Reported bugs and optimized the functionality by 55%

ACHIEVEMENTS

- Earned selection by USC Viterbi College of Engineering for prestigious Summer Smasher Program MAY 2024
- Secured 2nd place in IDEATE competition at VVCE for the idea of 'Temperature Sensitive Stickers for Medicines' JUN 2021
- Represented VVCE as the Campus Ambassador for National Engineering Olympiad by boosting engagement by 35% OCT 2021
- Achieved Microsoft Technology Associate Certification in Python Programming NOV 2020
- Topper in Computer Science at 12th CBSE Boards NOV 2019

RESEARCH

- Authored research paper on Cotton Plant Disease Detection with 95% accuracy at ICSISCET Conference OCT 2023
- Led research on Okra Disease Detection with 92.8% accuracy at International Conference Distributed Computing MAY 2023

LEADERSHIP AND EXTRACURRICULARS

- Research Assistant at USC Viterbi School of Engineering under Dr. Anita Penkova MAY 2024 - PRESENT
- Member of the Society of Women Engineers at USC JUNE 2024 - PRESENT
- Accomplished to be a Leader at Toastmasters Club and won the Best Table Topics Speaker Award MAR 2017