SREERAM SARAVANA PRASAD

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EDUCATION

Master of Science in Computer Science, Arizona State University   Aug 2025 - Aug 2027
B.Tech in Electronics and Communication Engineering, Amrita Vishwa Vidyapeetham   Jul 2018 - Jul 2022

TECHNICAL SKILLS

Programming - Python, C++, Java, Javascript, Data Structures & Algorithms, OOPS
Development - Html, CSS, React JS, Node JS, SQL, Flask, Rest API, SpringBoot
Others - Firebase, Machine Learning, Tensorflow, Pandas, NLP, OpenCV

WORK EXPERIENCE

Software Engineer, GE HealthCare   Aug 2022 - Jul 2025

- Worked on the Inline applications of MRI Machines OS, Delivered priorities with at least 90% say-do ratio every sprint while following the defined processes and design principles.
- Collaborated with clinicians and product owners and developed algorithms for a medical procedure of MR BRAIN, MR Liver Scans. Integrated two microservices using RabbitMQ and REST API.
- Developed new components and created unit, component, and integration tests for the window and desktop management microservices owned by the team using Java, C++, Cucumber, Gherkin, Junit, Optimus, Springboot. Independently resolved the site issues with the team's middleware services.
- Addressed the issues and fixed the bugs as soon as they occurred in the microservices owned by the team. Wrote automated tests, achieving a test coverage of more than 80% for each of my deliverables
- Developed a CI/CD pipeline with Jenkins, GitLab, and SonarCloud to streamline build, test, and deployment, boosting delivery speed and reliability.

Software Engineering Intern, GE   Feb 2022 - Jul 2022

- Worked in the Xray Intelligence team to achieve auto camera alignment during XRay image capture. Performed keypoint detection on human body images, Implemented Mask RCNN on human body parts.
- Developed an API that takes an Image of a subject and generates the bounding box and segmentation masks to detect specific human body parts.

PROJECTS

Lifehunt - Job Portal Cum Referral Web-App   Jan 2025 - Feb 2025
Created a "Job Portal Cum Job Referral System" web application that simplifies the process of applying for jobs and referring others with a few mouse clicks. Has over 100 active users.

Stroke Prediction App   Feb 2022 - Jun 2022
Built an Android and Web app using Python, Flutter, ANFIS Machine Learning model to predict ischemic stroke risk with 92% accuracy from just four inputs: BMI, age, glucose level, and heart disease history.

Multilingual Audio Sentimental Analyser   Jan 2021 - Feb 2021
Developed a program that analyses a person's voice in any language, performs sentimental analysis, and predicts/displays the person's current behavioral mood.

Stress Detection Using Facial Image Recognition Model   Jan 2020 - Apr 2020
Built a real-time stress detection and stress levels prediction system using eye-blink and eyebrow movement analysis with Python, OpenCV, Machine Learning, CNN and Image processing techniques.

ACHIEVEMENTS / EXTRACURRICULAR

- Gold Badge for Problem Solving and Programming on Hackerrank Competitive Coding Platform.
- **Volunteer Contribution** - Created a free study materials, ebooks website for my undergraduate institution, which was used by over 2000 students.
- **Oxind** - During the COVID-19 pandemic, created a website named "Oxind" as a voluntary contribution to compile information on all of the oxygen cylinder supplies available in India