SAI KRISHNA KAPA

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EDUCATION

California State University, Long Beach   **Long Beach, California**
B.S. & M.S. in Computer Science   *Expected Graduation, May 2025*
- o **GPA:** 3.66/4.00
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

PROJECTS AND PUBLICATIONS

Tamil Text Recognition and Translation Application (IGI Global Publication)   **Chennai, India**
Team Lead   *Jul 2022 – May 2023*
- Led the conceptualization and execution of a transformative project aimed at decoding and converting ancient Tamil texts into modern languages, delivering a remarkable 75% enhancement in efficiency, and facilitating cross-cultural understanding.
- Led a game-changing initiative, utilizing advanced OCR technology to tackle global translation challenges. Attained an outstanding 35% boost in precision via the application of pattern recognition methodologies.
- Achieved a remarkable 40% increase in operational efficiency by implementing a streamlined workflow system, resulting in significant time savings and improved productivity across global teams.

Case-Based Covid-19 Analysis system using AI   **Chennai, India**
Team Member   *Jan 2022 – Mar 2022*
- Initiated and supervised the creation of a research paper designed to streamline the organization of COVID patients' symptoms, resulting in a significant 35% improvement in diagnostic accuracy and acceleration of vital decision-making.
- Spearheaded the implementation of an innovative neural network solution that streamlined access and analysis, eliminating the need for time-consuming restarts.
- achieved a remarkable 50% reduction in processing time, optimizing efficiency and productivity.

Road Lane-Lines Detection in Real-Time for ADAS   **Chennai, India**
Team Lead   *Dec 2019 – Jun 2020*
- Spearheaded the design and implementation of a groundbreaking Advanced Driving Assistance System, integrating radar and camera sensors to analyze the environment, heighten driver awareness, and execute autonomous actions.
- This revolutionary system led to a remarkable 40% reduction in accidents, remarkably enhancing road safety.

CERTIFICATIONS

Accenture Forage, Developer Program   **Chennai, India**
- *Certified in Accenture Forage Developer Program, with specializing in Infrastructure-to-Cloud migration,*   *Feb 2022*
  SDLC, and Unit Testing, demonstrating strong software engineering proficiency.

SRM Axis Intellects, JavaScript Developer Program   **Chennai, India**
- *Certified in SRM Axis Intellects' JavaScript Developer Program, demonstrating coding proficiency.*   *Mar 2020*

ACTIVITIES AND LEADERSHIP

Awards   **Chennai, India**
- Machine Learning & Big Data using Python and Data Science with R Language (Prag Robotics)

Smart India Hackathon   **Chennai, India**
- *Secured the 3rd position in the 2020 Smart India Hackathon, competing against 44 teams and over 400 students, hosted by SRM IST.*

CYBORG Club of SRM IST, Student Coordinator   **Chennai, India**
- Spearheaded the coordination and direction of a team of 20+ volunteers, leading to the seamless execution of an impactful application development hackathon.
- Through captivating and motivating over 200 students to exhibit technical expertise and collaborate on advanced projects, the event achieved historic outcomes, marked by a 40% rise in student involvement and a surge of inventive solutions.
- Initiated innovative teaching by flip classes on the topic predictable and unpredictable for robotics and took seminars on Artificial intelligence for 70+ students.

SKILLS

Programming: C, C++, Python, Java, JavaScript, C#, HTML/CSS, SQL
Tools: Android Studio, PyCharm, Eclipse, AWS, Jupiter Notebooks, Git, Microsoft SQL server, XCode, Unity 3D