SRIKANTH KARRE

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EDUCATION

Texas A&M Kingsville, Kingsville, Texas   Aug 2023
Master of Science, Computer Science   GPA: 3.85
- Relevant Coursework: Fundamental Algorithms, Data Structures, Operating Systems, Mathematical Techniques for Computer Science, Programming Languages

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SKILLS

- **Coding Languages:**   Python, C++, C, Java, PHP, JavaScript, HTML, AngularJS, SQL, VB.Net, MPI, OpenMP
- **Machine Learning:**   Pandas, Numpy, NLP, PyTorch, TensorFlow, Keras, Scikit-learn, Colab, Kaggle, Yolo, Darknet
- **Other Tools:**   Git, Postman, Flask, Django, FastAPI, Swagger, Hyperledger fabric, Tkinter, Qt, Selenium

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EXPERIENCE

Techever Ventures LLC, Irving, Texas   Oct 2023 - Present
Software Developer Intern
- Collaborate with cross-functional teams to design and develop innovative software solutions for enterprise performance management.
- Conduct thorough testing and debugging of software to ensure high-quality deliverables.

Texas A&M Kingsville, Kingsville, Texas   Jul 2022 - Dec 2022
Graduate Research Assistant
- Set up a Raspberry Pi stack consisting of four devices and installed Hyperledger Fabric on the stack. Subsequently, established a Modular Blockchain network by segregating the Fabric network, channel, and peers across multiple devices.

Chingari, Bengaluru, India   Apr 2021 - Nov 2021
Data Scientist
- Engineered on the "Shop the Look" project, allowing Chingari, a social networking platform user to shop for clothing and fashion accessories similar to those seen in the videos. This feature improved user engagement with the app by 50%.
- Built a Deep Learning CNN outfit color identification model which identifies color of clothes with 94% accuracy, and goggles color detection model applying Scikit-learn for determining goggles color by 96% accuracy.
- Constructed a YOLOv4 Darknet model that achieved a 90% accuracy in identifying the collars of shirts and t-shirts.

Globussoft, Bengaluru, India   Jan 2020 - Mar 2021
Data Scientist
- Worked closely with the content moderation team and designed a Flask API that integrates the Spam Video Detection Yolo model for detecting spam videos in a video stream. This model resulted in a significant 95% reduction in manual workload.
- Created a Content-based News Recommendation system to suggest news that match users' interests. The system utilizes Django API to retrieve user activity and responds with similar news articles. This increased application usage by 20%.
- Deployed Employee Activity Monitoring software for Windows and Linux using Python and Tkinter that monitors employee app/website usage, keystrokes, and screenshots at specific intervals, with data uploaded to a cloud server, resulting in 90% productivity improvement for employees as evaluated by companies.

Beta Scientifics, Bengaluru, India   May 2019 - Dec 2019
Software Developer
- Collaborated with the gas stations, cab services and deployed an application "Soujanya" utilizing Java and Google Firebase for internal use within an organization. The app enables cab drivers to request gas filling for a custom amount, with requests forwarded to a gas station and cab service managers for approval.
- This system removed manual workload by 80% and enabled transparent transaction records, timely billing, also providing the ability to track monthly gas spending by cab service.

Electronics Corporation of India Limited, Hyderabad, India   Jul 2015 - Dec 2015
Research & Development Apprenticeship
- Developed a Fingerprint Biometric System in VB.Net using SQL database in backend which includes Registration, Verification and Identification modules. These modules enable new users to Register and their encrypted fingerprint data is stored in the database and Identify and Authorize the existing user's via fingerprint.
- Created a web page that highlights various server locations along with their status on map with various colors based on the server data fetched from the database.

CERTIFICATIONS
Machine Learning by Stanford University (Coursera)   Oct 2019