SRIKANTH KARRE

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EDUCATION

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

Chaitanya Bharathi Institute of Technology, Hyderabad, India   May 2019
Bachelor of Engineering, Computer Science and Engineering
- Relevant Coursework: Discrete Mathematics, Principles of Programming Languages, Database Management Systems, Distributed Computing, Information and Network Security, Computer Networks, Object Oriented Programming

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SKILLS

- **Coding Languages:**   Python, C++, C, Java, PHP, JavaScript, HTML
- **Other Tools:**   .NET, PyTorch, Python Flask, Django, Git

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EXPERIENCE

Texas A&M Kingsville, Kingsville, Texas   Oct 2022 - Dec 2022
Graduate Teaching Assistant
- Assisting the professor in discussing and setting up the lab experiments and grading the lab reports for GeoSciences Lab and Graduate Physics Labs.

Texas A&M Kingsville, Kingsville, Texas   Jul 2022 - Aug 2022
Graduate Research Assistant
- Setup of Hyperledger Fabric on raspberry pi and implementing Modular Blockchain network (segregating fabric network, channel and peers into different raspberry pi's) using raspberry pi's stack.

CHINGARI, Bengaluru, India   Apr 2021 – Nov 2021
Data Scientist
- Worked on Shop the Look project which enables users to shop the same or similar clothes and other fashion accessories from the videos users watch on social networking platform Chingari.
  - Built a deep learning CNN outfit colour identification model which identifies colour of clothes with 94% accuracy, and goggles colour identification model for determining goggles colour by 96% accuracy.
  - Built a collar detection model trained in darknet with yolov4 architecture for identifying different types of collars of shirts and tshirts.

Globussoft, Bengaluru, India   Jan 2020 – Mar 2021
Data Scientist
- Worked closely with the content moderator team and developed Flask API integrated with Spam Video Detection Yolo model for identifying spam videos from video feed. This reduced the content moderator team manual overhead by 95%.
- Built Content based News Recommendation system for suggesting similar news articles based on user's interests and an API to fetch user activity and send similar news articles as response. This system increased user engagement to the news by 20%.
- Developed an Employee Activity Monitoring software in python which can track applications used, websites visited, keystrokes pressed by each employee along with screenshots at specific intervals. All the data is then uploaded to the server for each predetermined time. This helps companies to evaluate the productivity of each employee.

Beta Scientifics, Bengaluru, India   May 2019 – Dec 2019
Software Developer
- Collaborated with gas station and cab services and deployed an android application internally in a company, where cab drivers can raise a gas filling request for a certain amount and the requests are sent to both gas station and cab services managers.
- The requests are then approved later. This helps gas station and cab services to maintain clear transaction records every month, clear bills on time with ease, and track cab services monthly spendings on gas.

United Care Development Services - Yousee, Hyderabad, India   May 2018 – Jul 2018
Software Developer Intern
- Developed a real-time web application to maintain complete details of one or more bank account transactions of an organisation which helped the organisation to monitor all transactions made from all bank accounts.

Electronics Corporation of India Limited, Hyderabad, India   Jul 2015 – Dec 2015
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 Authorise the existing user's via fingerprint.
- Created a web page that highlights various places on map with various colours based on the data fetched from the database.

PROJECTS

JARVIS - Virtual Home Assistant (Java, Python)   Spring 2019
- Developed a voice module which converts voice commands from user into text commands using google speech-to-text (STT) engine. These commands are then sent to raspberry pi which sends control signals to home appliances.
- Developed an android application integrated with Vuforia Object Scanner library to identify objects and send appropriate signals to raspberry pi to control home appliances.
- The assistant is easy to use and specially designed for visually challenged, speech impaired and physically disabled people.

Intern Rating (Python, ML)   Summer 2019
- Developed a machine learning regression model to predict the rating of an intern based on his skills in various aspects as a freelancer for a company to evaluate the performance of new interns.