SREEKAR CHIGURUPATI

Graduate student in Intelligent Systems, Software Engineer & Big Data Dev

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EXPERIENCE

Senior Software Engineering Associate
Telstra

📅 July 2018 – July 2021   📍 Hyderabad, India

- Developed a petabyte scale data warehousing and insights platform to effect end to end order visibility spanning service domains
- Developed SparkML pipelines for anomaly detection using natural language features
- Architected a university connect program with an industry led elective course to upskill students on modern enterprise development methods
- Played a founding role in the fruition of a maker space that facilitates employees to work on emerging technologies
- Underwent training in AWS, Agile, Machine Learning, Modern Web and Microservice development

Full Stack Developer Intern
Reflexis Systems

📅 January 2018–June 2018   📍 Pune, India

- Built a product strategy testing application for retail chain wide decision making

Software Developer Intern
Ethnus Technologies

📅 April 2016–July 2016   📍 Bengaluru, India

- Built a platform to facilitate mock interviews for aspiring job applicants

PROJECTS

Bi-directional Structured Output Tracking

- Modified "STRUCK" algorithm using OpenCV to improve performance of object tracking

Automatic traffic infraction detection & decision system

- Created congestion models for routing decisions
- Implemented classifier to detect two wheeler riders without helmet

Live migration of virtual machines with failure mitigation

- Implemented network migration of running virtual machines using POSTCOPY with checkpointing to mitigate failure

Raga Similarity Detection

- Implemented algorithm to identify raga from a music piece using statistical analysis

Localized climate change and vegetation pattern correlation

- Created correlation models to predict localized climate change based on Normalized Difference Vegetation Index (NDVI) from satellite imagery

EDUCATION

M.S. in Intelligent Systems Engineering
Indiana University

📅 Aug 2021 – Ongoing   📍 Bloomington, IN

Specialization in Neuroengineering

B.E. in Electronics & Communication Engineering
Birla Institute of Technology & Science, Pilani

📅 2014 – 2018   📍 Hyderabad, India

SKILLS

Tools: Spark · AWS · ElasticSearch · PostgreSQL

Packages: Matplotlib · Scikit-learn · D3.js Visualisation · NumPy · SciPy

Machine Learning & Data: Regression · Clustering · CNN · MapReduce · Decision Trees · Ensemble Methods

Bio

COURSES

Elements of AI (Ongoing)

Intro to Neuroengineering (Ongoing)

Information Retrieval · Object Oriented Programming

Computer Programming in C · Data Storage Tech. & Networks

CSA Summer School at IISc Bangalore

Machine Learning at University of Technology, Sydney

PROGRAMMING

Javascript
Java
Python
C++
React.JS

AWARDS

🏆 **Winner, Telstra Innovation Hackathon 2019**
Placed 1st in a hackathon event across Telstra and its partners for designing an approach that reduces broadband transition cycle time by 25%

Dream team of the year, Telstra
Conferred the "Dream team of the year" award for building software that helped scale internal engineering operations