Stillwater, OK
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Srikar Amara

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EDUCATION

Master of Science, Computer Science, Oklahoma State University   **Aug 2021 — Aug 2023**
Bachelor of Technology, Computer Science, Kalasalingam Academy Of Research And Education, GPA: 7.14/10.00   **Jul 2016 — Jul 2020**

SKILLS

Languages	Python, Shell, C, C++, JavaScript, SQL
**Frameworks	Libraries**	Scrapy, beautifulsoup, selenium Tensorflow, Django, Flask, Android Studio
**Database	OS**	MongoDB, MariaDB, postgresql, Linux

WORK EXPERIENCE

Python Developer   **Aug 2020 — Jul 2021**
TPF Technologies   Noida IN
- **Sentiment-Analysis(Customer-Reviews):** Designed and Created an application that generates sentiment analysis for the company's online customer reviews.[nltk,python,mysql]
- **Propensity-Scoring** : Worked on the existing application to generate propensity score for customer activity. [python, scikitlearn, ML algorithms]
- **Critical-Events-Framework** : Enhanced the previous application in the company into a working prototype and enhanced the time complexity. [Python, numpy, pandas, mysql]
- **Next-Best-Action** : Working on Creating Recommendation engine using contextual bandits with Reinforcement Learning. [vowpal wabbit, python, scikit learn, ML algorithms]
- **Epic_Cricket** : Designing AI player's gameplay based on Monte Carlo Tree Search and RL in a smart phone game. [Java, mysql, unity]

PROJECTS

Upbeat, Community Service Project   **2017 — 2018**
- Upbeat is an android application that generates a personalized diet plan for it's users based on their calorie intake and the user's goals. [Android studio, java, kotlin]

Student Resource Recommender, Capstone Project   **2019 — 2020**
- Student Resource Recommender is a university management system web application that uses recommendation systems. [Python, Django, mysql, nltk, tensorflow, javascript, html, css]

Lung Cancer Prediction , Capstone Project   **2019 — 2020**
- Lung Cancer prediction tool is a simple application that uses CNN to generate the output. [Python, matplotlib, scikit]

E-commerce Web Scraper , Freelance Project   **2019 — 2020**
- This is a Freelance project that scrapes prices from multiple E-commerce websites and produces a comparison metrics for products. [Scrapy, php, python, mysql, shell]

Redundant Image Remover , Personal Project   **2021 — Present**
- Redundant Image Remover is a system application that removes the repeated images based on the pixel density and image size for 2d,3d and cgi images.

Image Scraper , Personal Project   **2021 — Present**
- This application scrapes the images from multiple image dump websites such as pinterest, reddit, pixiv and creates datasets. [Scrapy, php, python, mysql, shell]

CERTIFICATIONS AND WORKSHOPS

- Workshop Certification For Matlab And Image Processing
- Core Java Workshop Certification
- Certified Professional as an R-Language Programmer by Winways Infomatics Private Ltd

PUBLICATIONS

1. **Amara**, **S.** & Subramanian, R. Collaborating personalized recommender system and content-based recommender system using TextCorpus. *IEEE* (2020).
2. **Srikar Amara**, **R. S.** & Mourya, R. N. Lung Cancer Prediction Using Deep Learning Framework. *International Journal Of Control And Automation* (2020).
3. **Srikar Amara**, **R. R. S.** & Achuth, D. Skin cancer classification using Convolutional neural networks. *IEEE* (2021).
4. **Srikar Amara**, **R. R. S.** & Achuth, D. A Survey on Sentiment Analysis. *IEEE* (2021).