

Srikar Amara

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SKILLS

Languages	Java, Python, Javascript, Advanced Shell Scripting, C, C++,HTML5, XML.
Frameworks Libraries Tools	AndroidStudio,Bootstrap,Git, Adobe, Wordpress, Scrappy,Office Suite,Django,SpringBoot Flask, Kubernetes, Docker, Numpy, Pandas, NLTK, BeautifulSoup, ORM Libraries.
Database OS	MongoDB, MariaDB, PostgreSQL, Linux, IOS, Windows.
Expertise	Data Structures, OOP Concepts, Algorithms.

WORK EXPERIENCE

Junior Software Developer | TPF Technologies

AUG 2020 — JUL 2021

Clients : SBI and Etisalat.

- Decreased the code churn by over 20%.
- Optimized the SQL queries by reducing the response time by 50 %.
- Tested software and resolved bugs that reduced the delivery time by 13%.
- Developed a web application to check the customer analytics in the form of visualization using django.
- Integrated customer analytics modules to the above application.
- Designed and implemented an end-to-end automated script to run the background processes every 7 hours.
- Reduced the time complexity of code execution by 4 times using query optimization at the server-side.
- Part of the automated team where we automated several existing manual processes such as log monitoring, sanity checks, Unix automation which saved money for the project.

EDUCATION

Master Of Science, Computer Science, Oklahoma State University, Stillwater
Bachelor Of Technology, Computer Science, KARE University

AUG 2021 — MAY 2023 [Anticipated]
JUL 2016 — JUL 2020

PROJECTS

Redundant Image Remover | Personal Project

MAY 2021— PRESENT

- Developing an application that removes redundant images from any large dataset.
- Working on an algorithm that gets the images and segregates the images into 2d and 3d images and then categorizes them into less quality and high-quality images.
- The Image removal is based on pixel density for 2d images and the size of the image for 3d images.

Reddit Image Downloader | Personal Project

Sep 2019 — OCT 2019

- Created an application using beautiful soup, HTML, Bootstrap, Javascript to scrape images from Reddit and save them in the database. [Scrappy, SQL, HTML, Javascript]

Student Resource Recommender | Capstone Project

JUL 2019 — OCT 2020

- Developed a University Management System web application that uses a personalized news recommendation system for students based on their app activity.
- Designed an algorithm with tagging mechanism to generate recommendations that are 80% faster than the state-of-art algorithms.
- Achieved academic achievement as the best project in the department and represented it to the ABET council. [HTML,CSS,Django, BeautifulSoup, Python, Numpy, Javascript, SQL, Tensor flow, Scikit-learn].

Lung Cancer Prediction | Academic Project

SEP 2019 — OCT 2019

- Created a simple lung cancer prediction tool to predict lung cancer from a large set of data.
- Used Convolutional Neural Networks and pre-trained ImageNet models including LeNet, AlexNet, and VGG-16 which are used to detect lung cancer. [CNN, Python, Numpy, Tensor flow].

E-commerce Web Scraper | Freelance Project

JUL 2019 — NOV 2019

- Developed and deployed a full stack web scraper application that produces comparison metrics for products from multiple E-commerce websites [Amazon, Snap deal, Flipkart, Myntra].
- Created a script file to automate the scraping process and saved 5 to 10 hours of work and resources every day to the client.
- Increased 10 % revenue to the client. [Scrappy, HTML, CSS, BootStrap, JavaScript, SQL, Shell Scripting].

Upbeat | Community Service Project

JUL 2017 — SEP 2018

- Built an android application that can generate a custom diet plan based on user's food habits, age, height, and workout routine with 10 different types of cuisines with calorie count. [Android Studio, Java].

PUBLICATIONS

<https://scholar.google.com/citations?user=VOBc67oAAAAJ&hl=en>