Srikar Amara

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CORE COMPETENCIES

Languages	Java, Javascript, Python, Advanced Shell Scripting, C, C++, HTML, CSS.
Frameworks | Libraries | Tools	AndroidStudio, Bootstrap,Git, Adobe, Wordpress, Scrapy, OfficeSuite, Django, SpringBoot, Flask, Kubernetes, Docker, Numpy, Pandas, NLTK, BeautifulSoup, ORM Libraries, REST API.
Databases	MongoDB, MariaDB, PostgreSQL, MySQL.
Cloud Platforms	AWS, Microsoft Azure.

EMPLOYMENT HISTORY

Junior Software Developer | TPF Technologies **AUG 2020 — JUL 2021**

Clients : SBI and Etisalat.

- Developed a web application to check the customer analytics in the form of visualization using Django and REST API.
- Decreased the code churn by over 90%.
- Optimized the SQL queries by reducing the response time and CPU execution time by 70 %.
- Tested software and resolved bugs that reduced the delivery time over 60 %.
- Integrated customer analytics modules to the visualization application and deployed the application in Azure.
- Designed and implemented an end-to-end automated script to run the background processes every 24 hours.

INTERNSHIPS

Software Developer Intern | InfraTie Solutions LLC **JUN 2021 — AUG 2021**

[Django, Python, MySQL, HTML, CSS, Bootstrap, JS]

- Developing a web application that performs data mapping for sewer data for over 10 cities.
- Designed and implemented User Interface for the application.
- Implemented Brewer and Nash data security model for user access control.

EDUCATION

Master Of Science, Computer Science, Oklahoma State University, Stillwater **AUG 2021 — MAY 2023 [Anticipated]**

Bachelor Of Technology, Computer Science, KARE University **JUL 2016 — JUL 2020**

PROJECTS

Student Resource Recommender | Capstone Project **JUL 2019 — OCT 2020**

[Django, BeautifulSoup, Python, Numpy, Javascript, SQL, Tensor flow, Scikit-learn]

- Developed a University Management System web application that uses a personalized news recommendation system for students based on their app activity.
- Designed and published a research paper for 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.

Lung Cancer Prediction | Academic Project **SEP 2019 — OCT 2019**

[CNN, Python, Numpy, Tensor flow]

- Created a simple lung cancer prediction tool to predict lung cancer for 10 million images.
- Used Convolutional Neural Networks and pre-trained ImageNet models including LeNet, AlexNet, and VGG-16 which are used to detect lung cancer.

E-commerce Web Scraper | Freelance Project **JUL 2019 — NOV 2019**

[Scrapy, JavaScript, SQL, Shell]

- Developed and deployed a full stack web scraper application that produces comparison metrics for products from 4 E-commerce websites. [Amazon, Snap deal, Flipkart, Alibaba]
- Wrote a script file to automate the scraping process and saved 5 to 10 hours of work and resources every day to the client which increased over 30 % revenue to the client.

Upbeat | Community Service Project **JUL 2017 — SEP 2018**

[Android Studio, Java]

- Created 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.

RESEARCH PUBLICATIONS

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