Srikar Amara

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EDUCATION

Bachelor Of Technology, Computer Science, KARE University, GPA: 7.14/10.00   **JUL 2016 — JUL 2020**
Master's in Computer Science, Oklahoma State University, Stillwater   **AUG 2021 — MAY 2023 [Expected]**

SKILLS

Languages	Python, Java, JavaScript, Shell, C, C++.
Frameworks | Libraries | Tools	Scrapy, scikit-learn, Selenium, TensorFlow, Django, Flask, Kubernetes, Docker,Beautiful Soup, NLTK, ORM Libraries, Matplotlib, Seaborn, Android Studio,Git.
Database | OS	MongoDB, MariaDB, PostgreSQL, Linux, IOS, Windows.
Expertise	Algorithms & Data Structures, OOPs Concepts.

PROFESSIONAL EXPERIENCE

Data Analyst & Junior Software Engineer | TPF Technologies   **AUG 2020 — JUL 2021**

Clients : SBI and Etisalat.

Epic_Cricket
- Implemented An android game that uses MCTS algorithm to generate AI player game play.
- Generated 80% accuracy on AI Player's game play based on weather conditions and the bowling style/speed.

Sentiment-Analysis(Customer-Reviews)
- Implemented a Web scraper and sentiment analysis application that scrapes data from the google playstore.
- Automated the application to scrape the new reviews and generate the sentiment analysis every 24 hours for over 1M reviews.
- Generated positive/negative/neutral reviews to understand the reviews better and achieved 96% accuracy in generating sentiment analysis.

Propensity-Scoring
- Refactored the legacy code into a working prototype in accordance with the current database.
- Integrated the code base to the production environment.
- Decreased the time complexity of code execution by 4 times using query optimization and achieved the predictability accuracy of customer activity to 92% for over 60M data .

Critical-Events-Framework
- Refactored the code base to the working condition and optimized the sql queries by reducing the response time by almost 50 % .
- Generated top-10 critical events for two applications "SBI YONO" and "SMILES UAE" for over 6 months of data.

Next-Best-Action
- Decreased the code churn over 20% than the previous version.
- Recommended credit card offers to the users based on their activity and Click Through Rate by using contextual bandits.
- Generated the next best action of customer's accuracy by 96 % for over 60M data.

ACADEMIC PROJECTS

Upbeat | Community Service Project | UnderGrad   **JUL 2017 — SEP 2018**
- Built An android application that can generate a custom diet plan based on user food habits, age, height and workout routine with 10 different types of cuisines with calorie count .

Student Resource Recommender | Capstone Project | UnderGrad   **JUL 2019 — OCT 2020**
- Built a University Management System web application that uses personalized news recommendation system for students based on their app activity.
- Developed an algorithm with tagging mechanism to generate recommendations which is 80% faster than the state-of-art algorithms.
- Got an academic achievement as the best project in the department and represented it to the ABET council.

E-commerce Web Scraper | Freelance Project | UnderGrad   **JUL 2019 — SEP 2020**
- Developed and deployed a full stack web scraper application that produces a 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 a couple of hours and resources everyday to the client.

CERTIFICATIONS

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

PUBLICATIONS

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