

EDUCATION

University of Texas at Arlington

Bachelor of Science in Software Engineering

Arlington, TX

August 2019 - May 2023

Leadership: Maverick Academic Scholar, Freshmen Orientation Leader, Supplemental Instructions Leader.

Relevant Coursework: Data Structures and Algorithms, SQL & NoSQL Database systems, Software Design Patterns, Object Oriented Software Engineering, Software Testing.

WORK EXPERIENCE

Data Glacier

June 2022 – August 2022

Data Analyst Intern

- Optimized the **PySpark** and **Azure Data Factory** pipeline in a team of 5 following Agile software methodologies using **DataBricks**, and by moving from RDD to Data Frames and Spark optimization techniques which reduced loading time by 15%.
- Analyzed the data pipeline to provide actionable insights into customer acquisition, operational efficiency by 23%, optimized Extraction, Transformation, and Loading (ETL) of data and other key business performance metrics using **Azure Synapse, Pandas, and PyTorch**.

Stealth Mode Fintech Startup

June 2021 – August 2021

Backend Engineer Intern

- Automated web crawlers and implemented the automation script for web crawlers with Dev-ops team and deployed the script **Google Cloud Platform VM** that increased the efficiency of data collection by **67%** using **Python3, Selenium**, and storing the data in **PostgreSQL** and **MongoDB** Databases.
- Built a keyword based and semantic based search engine using **Flask, Hugging Face's BERT NLP model, Elasticsearch, and Mongo-Connector**. The search engine was loading on client side saving the server load by **12%**.

Rocket Flyer Technologies

January 2021 – May 2021

Software Engineer Intern

- Migrated the company web application from **Java Web Stack** to **JavaScript Web Stack** using CI/CD methodologies resulted in faster speed of the web application by **28%** and reduced the load on server by **46%**.
- Established a **REST API** for authentication and integration with 3rd Party platforms.

PROJECTS

STATIFY (<https://statify-tool.herokuapp.com/>)

Flask, Pandas, Spotipy (Spotify API), Machine Learning, Pillow, HTML5, CSS3, JavaScript

- Launched a web application that analyzes Spotify account statistics by fetching top artists, songs, and genres using Spotify API.
- Generated 70-80% accurate music recommendations based on Machine Learning model that takes user's liked songs and top artists as training data for the model.
- Visualized the attributes, tempo, duration of the tracks, and devised a word chart of top 100 songs of the user.

CARZ 3330 (<https://carz3330.netlify.app/>)

React.js, Redux, Node.js, Express.js, Axios, MySQL, HTML5, Dynamic CSS (Styled-Components v4)

- Developed a full-stack web application that enables users to rent a car and manage bookings.
- Established an admin side page to manage the car inventory and request maintenance on over 500 vehicles.

COVID-19 Tracker Application ([GitHub](#))

Flutter, Firebase, COVID19 API

- Collaborated in a cross-platform android and iOS application that displays the global and nation-wide statistics of COVID-19 cases.
- Integrated additional features such as identifying the symptoms and suggesting preventive measures, donation links to verified relief funds, and SOS calling options to the emergency services.

Wabble ([GitHub](#))

- Created a cross platform android and iOS puzzle solving game using **Flutter**. User will have 6 guesses to solve the word of the day. If user gets a letter correct, the tile will turn yellow if it is in the word but at a wrong spot or it will turn green if it is in the right spot.

SKILLS

- Languages:** Python3, JavaScript, C#, Java, Dart.
- Web Technologies & Databases:** React, Redux, Node.js, Express.js, Flask, Flutter, ASP.NET MVC Framework, Razor Pages, MongoDB, Firebase, MySQL, DynamoDB, Aurora DB,
- Data Science:** Pandas, NumPy, Matplotlib, ggplot2, PyTorch, PySpark, Hadoop, Scikit Learn, NLTK, D3.js, Databricks, Azure Synapse, Azure Data Factory, AWS Redshift, AWS Athena, AWS Glue.
- Tools:** AWS Cloud, Git, Jupyter Notebook, Wireshark, Selenium, Jenkins, Jest, Heroku, JUnit, Elasticsearch, Logstash, Kibana, Android Studio, Unity 3D, Postman.

CERTIFICATIONS & AWARDS

- AWS Certified Cloud Practitioner ([Certificate Link](#))