# SHANEPHEAR JOHN CLEETUS

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## ACADEMIC QUALIFICATION

**M.S Information Technology Management**                                                                 **May 2024**
University of Texas at Dallas                                                                 **GPA**: 4.0/4.0
**Bachelor of Engineering, Electronics and Communication Engineering**                            **April 2019**
St. Joseph's College of Engineering, Tamil Nadu                                            **GPA**: 7.51/10

## TECHNICAL SKILLS

*Programming languages*: Python, NoSQL, SQL, C, R language, HTML, CSS, JavaScript, Typescript.
*Frameworks*: Node Js, React Js, Angular, Express Js.
*Certifications:*

- **AWS Certified Cloud Practitioner ,** AWS – May 2023
- **Algorithmic Toolbox,** UC San Diego – August 2023
- **CS50's Introduction to Computer Science,** HarvardX – In progress (December 2023)
- **CS50's Introduction to Artificial Intelligence with Python,** HarvardX – In progress (December 2023)
- **CS50's Web Programming with Python and JavaScript,** HarvardX – In progress (December 2023)

## PROFESSIONAL EXPERIENCE

**Full Stack Developer (Sr. System Engineer).**                                           **May 2019 – July 2022**
Infosys India Pvt Ltd, Bengaluru
Wingspan Training Web Application (Multi-Tenant E-learning Application)

- Involved significantly in changing the architecture from traditional to micro frontend and made it a progressive web app (PWA) leading to optimized API calls and build.
- Revamped the player module, embracing micro frontend to address intricate use cases as both child and standalone application.
- Optimized heavy payload hierarchy REST calls in player, resulting in a 33% reduction in execution time.
- Developed an IFRAME communication framework for secured data transfer between host and child.
- Designed a SCORM supportive player, implemented video streaming player using video.js library with encryption, transcoding, telemetry and created offline player for Android and IOS.
- Developed the admin module reducing 75% backend requests.
- Generated analytics reports by monitoring user progress in terms of learning and feature usage adhering to a telemetry standard with light weight programming techniques.
- Developed a Ticket Booking Application as a part of training program using React Js, Node Js, and MongoDB.

## ACADEMIC PROJECTS

**Used Car Price Prediction model using Decision Tree Regressor**                       **March 2023 – May 2023**

- Employed a prediction model using Decision Tree Regressor without and with imputed data (using an approximation method and HistGradientBoostingClassifier).

**Data Visualization project using Tableau and Python**                        **October 2022 – December 2022**

- Investigated if the COVID-19 pandemic had any effects on the birth rate of California by analyzing pre and post pandemic data using Microsoft excel for data cleaning and Tableau for visualization.
- Visualized COVID-19 vaccinations administered in California counties during the years 2021 - 2022 using pandas, NumPy for data manipulation and matplotlib, geopandas and shapely for visualization.

## ADDITIONAL INFORMATION

*Languages*: English, Tamil.
*Eligibility*: Eligible to work in the US for internships and full time up to 36 months.