

SHANEPHEAR JOHN CLEETUS

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ACADEMIC QUALIFICATION

M.S Information Technology Management

University of Texas at Dallas

May 2024

GPA: 4.0/4.0

Bachelor of Engineering, Electronics and Communication Engineering

St. Joseph's College of Engineering, Tamil Nadu

April 2019

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, Django, Flask, Next Js, Ruby on Rails.

Certifications:

- [AWS Certified Cloud Practitioner](#) , AWS – May 2023
- [Algorithmic Toolbox](#), UC San Diego – August 2023
- [AWS Certified Cloud Solutions Architect](#), AWS – December 2023
- [CS50's Introduction to Computer Science](#), CS50 – February 2024

ACADEMIC PROJECTS

Capstone Project for After School Life Client

Jan 2024 – April 2024

- Created a web application using Next.js, Ruby on Rails, PostgreSQL and deployed it on Render (backend and database), Vercel (frontend), including features such as payment, email notifications and JWT authentication.

Web Assembly in client-side web app for high efficiency

Jan 2024 – Mar 2024

- Incorporated C and Python program execution in client-side web application ([Exibit.H](#)) through web assembly using “emscripten”, achieving a 40% increase in performance compared to JavaScript.

HLS server-side web application using Django in Docker Environment

Jan 2024 – Mar 2024

- Constructed a Django web app to convert and store video files in HLS (HTTP Live Streaming) format. ([Exibit.H](#)).

Command line Text Editor using C

Dec 2023 – Jan 2024

- Developed a text editor using c utilizing “termios.h” for customized terminal configuration and code driven input handling for file operations like read, write, edit, save, and search.

Truck Data Analysis in Big Data Environment (Cloudera, Hadoop, Hive, Impala, PySpark)

Nov 2023 – Dec 2023

- Streamlined truck data processing in big data, enhancing efficiency by 75% and delivering analysis using tableau.

Used Car Price Prediction model using Decision Tree Regressor

March 2023 – May 2023

- Employed a prediction model using Decision Tree Regressor, achieving an R-squared score of 84% without imputed data and 86% with imputed data.

PROFESSIONAL EXPERIENCE

Full Stack Developer (Sr. System Engineer), Infosys India Pvt Ltd

May 2019 – July 2022

Wingspan Training Web Application (Multi-Tenant E-learning Application)

- Actively participated in changing the architecture from traditional to micro frontend and made it a progressive web app (PWA) leading to enhanced API calls and build.
- Revamped the player module, adopting micro frontend approach to address intricate use cases serving as both child and 100% independent 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.
- Built a role based 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.