SAM CHRISTOPHER

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EDUCATION

Kgisl Institute of Information Management Tamilnadu, INDIA
Master of Computer Application (MCA), Computer Application June 2021-May 2023

Karunya Institute of Technology and Sciences Tamilnadu, INDIA
Bachelor of Computer Application (BCA),Computer Application June 2017 - Dec 2019

Suburbun Higher Secondary School Tamilnadu, INDIA
Class X11 June 2016 - March 2017

SKILLS

Languages: MySQL, JavaScript, Java, HTML, CSS
Platforms: Windows, Visual Studio
Framework : bootstrap
Other Skills: Object Oriented Programming, Computer Networks, Data Structures and Algorithms, SQL, Git, API Development, Software Development Life Cycle(SDLC)

INTERNSHIPS

KODNEST Remote, INDIA
Full Stack Java Intern June 2023 – Feb 2024

- Implemented responsive user interfaces using modern front-end technologies like HTML5, CSS3, and JavaScript, enhancing user engagement and accessibility.
- Applied DSA concepts to optimize critical algorithms, significantly improving application performance and reducing response times.
- Designed and optimized database schemas, leveraging SQL to ensure efficient data storage, retrieval, and manipulation.

PROJECTS

EARLY CARE - COMPREHENSIVE BABY DAY CARE MANAGEMENT SYSTEM

- EarlyCare" empowers parents by providing a hassle-free online platform for enrolling their children in daycare. Through a simple and intuitive interface, parents can easily submit their child's details, preferences, and required documentation, streamlining the enrollment process.
- The heart of the application lies in its robust data management capabilities. Parents' and guardians' information, along with essential details about enrolled children, is systematically captured, stored, and updated within the application's secure database.

IMPROVING ENERGY EFFICIENCY IN MOBILE AD-HOC NETWORKS WITH A MULTIPATH ROUTING ALGORITHM BASED ON FITNESS FUNCTION

- Development of FF-AOMDV Protocol: AOMDV is enhanced with the incorporation of a fitness function, enabling the selection of energy-efficient routes and thereby conserving valuable node energy resources.
- Through network simulations, I compare FF-AOMDV's performance with industry-standard protocols - AOMDV and AOMR-LM. Metrics such as energy consumption, throughput, packet delivery, delay, network lifetime, and routing overhead are evaluated.

SOFT SKILLS

- **Active Listening**
- **Lifetime Learner**
- **Complex problem solving**

ADDITIONAL

Certifications: NPTEL Certificate Big data computing , Presented Paper on "Improving Energy Efficiency in Mobile Ad-Hoc Networks with a Multipath Routing Algorithm Based on Fitness Function"