DURGA SANKAR PANCHANATHAN SENTHIL VELAN

Texas | durgapsv99@gmail.com | LinkedIn | Portfolio | 469 - 927 - 2732

EDUCATION

Texas State University, San Marcos, Texas

Master of Science in Computer Sciences — May 2023

Coimbatore Institute of Technology, Coimbatore, India

Master of Science in Software Systems (Integrated) — July 2021

TECHNICAL SKILLS

Languages: C++, C#, Java, Python, React, HTML, CSS, SQL (MySQL)

Tools: MySQL Workbench, Git, IntelliJ, VS Code, Postman, Microsoft SSIS

EXPERIENCE

MPRIME LLC

Web developer Volunteer — Sept 2023 - Present
- Created front-end webpages and link cloud database solutions using the Firebase API.
- Working on creating a chatbot using Large Language Model and Retrieval Augmented Generation.

TEXAS STATE UNIVERSITY

Graduate Instructional Assistant — Aug 2022 - May 2023
- Consistently provided tutoring to students in both C++ and Python programming languages.
- Designed materials for lab demos, leading to better student performance resulting in an average 80% passing rate.

CATALYST QUIZ CORP

Software Engineering Intern — Dec 2021 - July 2021
- Constructed modules on the existing website using MERN stack.
- Aided in the transition to a revamped website design by providing bug fixes and code enhancements.

RHEINBRUCKE IT CONSULTING LTD

Software Engineering Intern — May 2019 – Nov 2019
- Designed screens for an application catering to prominent blending industries as a part of "Process Vertical" project, utilizing .NET(C#). Developed a standardized model for generating organizational charts using D3.js.

ACADEMIC PROJECTS

Dynamic travel website — Nov 2022

Technology: Java, Spring Boot, React, Postman, MySQL
- Achieved seamless user experience with secure authentication, flight/motel search, and integrated point redemption for enhanced customer engagement.
- Utilized Java with Spring Boot to create robust RESTful APIs, facilitating efficient communication between the frontend and backend.

Resume Parser — Jan 2021

Technology: Python
- Developed a Python-based application to automate the initial screening of job applicants.
- Implemented a resume parser to extract keywords from Word and PDF resumes, matching them against skills specified by employers and generating a comprehensive score for efficient candidate evaluation.

Covid 19 Patient Analysis — Sept 2021

Technology: Kaggle, Power BI, Microsoft Word
- Utilized Kaggle dataset on COVID-19 positive patients, conducted in-depth analysis to compare patient data across factors, communicating findings through visualizations.

CERTIFICATIONS

Google Analytics (Google Learning)   Jan 2024

AWS Cloud Technical Essentials (Coursera)   Ongoing