

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), NoSQL (Mongo)

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

EXPERIENCE

MPRIME LLC

Web developer - Volunteer

Sept 2023 – Present

- Contributed to the web development team, specializing in front-end webpage creation and integration with Firebase.
- Utilized Firebase for seamless integration of database solutions, ensuring efficient data management and retrieval.
- Demonstrated proficiency in HTML, CSS, JavaScript, and Firebase technologies.

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.

GYAANBEE FOR NEET

Software Engineering Co-op

Sept 2021 - July 2021

- Developed and implemented new features and modules on the existing website using the MERN stack, enhancing functionality and user experience.
- Played a key role in the transition to a redesigned website by providing code enhancements, rigorous testing, and meticulous debugging, ensuring a smooth and successful deployment.
- Collaborated closely with the web development team to architect scalable solutions and optimize performance, contributing to the overall improvement of the website's architecture.

RHEINBRUCKE IT CONSULTING LTD

Software Engineering Intern

May 2019 – Nov 2019

- Designed application screens for a project serving prominent blending industries, using .NET (C#) technology.
 - Developed a standardized model to generate organizational charts using D3.js and MS SQL Server, enhancing data visualization and organizational efficiency. Generated SSRS reports for clients.
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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.

Resume Parser

Jan 2021

Technology: Python

- 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