**Savitha Venkatesh**

*Software Engineer*

**Contact**

* Email: savithav2000@gmail.com
* Phone: +1 (256) 652-5545
* Location: Dallas-Fort Worth, TX
* LinkedIn: <https://www.linkedin.com/in/savitha-venkatesh/>
* GitHub: <https://github.com/savitha-v>

**Profile**

Data-driven software engineer bridging the gap between data pipelines and user-facing applications by leveraging strong analytical skills and development expertise to design, build, and manage efficient software solutions.

**Education**

* B.Sc. in Data Science, University of Texas at Dallas, Aug 2018 - May 2022
* M.Sc. in Applied Computer Science – Software Engineering, University of West Georgia, Aug 2023 - May 2025

**Skills**

* **Management:** JIRA, Agile, MS Office, Confluence, Git, Public Speaking & Presentation, Bilingual Communications, Project Scheduling & Strategic Planning
* **Technical:** C++, R, Python, SQL, Java, HTML, CSS, JavaScript, Hadoop, Hive, AWS S3, Google BigQuery, Redshift, Bootstrap, Spring Framework, Angular, DevOps, Microservices, WebUI, API, ITIL, Visual Studio, PyCharm, RStudio, NetBeans, Jupyter Notebooks, Git, Eclipse, MySQL, SQLite, Snowflake, DataGrip, AWS

**Experience**

1. **Software Engineer, Cognizant, Jun 2022 – Aug 2023**
   1. Underwent extensive hands-on training for eleven weeks mastering **project management** and **software development concepts** and **technologies** to be well-equipped to meet client needs for their projects and tasks
   2. Team Project – Managed a team of five new graduates to design, develop, and launch a full-stack e-commerce shopping website allowing users to shop for handmade items using **Spring Boot, Spring Tool Suite, MySQL, Angular, JavaScript,** and **HTML**. Increased team efficiency by 20% through effective task allocation and utilization of **GitHub Task Board** for **project management**, while also putting together a presentation for the senior software engineers and executives in the ADM branch and scoring an average rating of 4.8 out of 5
2. **Data Engineering Intern, VMware, May 2021 – Aug 2021**
   1. Developed a task tracker tool to track all data engineer and analyst jobs daily by reporting details of each job through **AWS Redshift** and **S3**, using **JIRA** to **schedule** and **plan** tasks for this project, and employing **Python** for the backend and automation and **SQL** queries for creating the output leading to a 25% reduction in time spent on tracking and reporting daily data engineer and analyst jobs
   2. Conducted a **gap analysis** on data maintained by two different pipelines (one from EDW and one from EUC Data Engineering) and edited my team’s **SQL** run job using **Git** to extract data from the EDW pipeline, thus reducing data pipeline maintenance efforts by 30% and creating a streamlined and more efficient data processing workflow
3. **Cloud Team Student Engineer, University of Texas at Dallas, Sep 2020 – May 2021 & Aug 2021 – Feb 2022**
   1. Planned and created documentation to carry out specific tasks and functions **in Amazon Web Services (AWS)** using **Jira** and **Confluence** and created templates on **AWS CloudFormation** to provide necessary resources for the development of an application or solution
      1. Projects: AppStream 2.0 is a computing resource developed in response to COVID-19 and remote student learning to allow students to stream applications and access software instead of downloading them on their personal devices
         1. Tested Automated Mass Spectral Deconvolution and Identification System (AMDIS) which is one of many applications run in AppStream 2.0, and developed workflow and troubleshooting guide on **Confluence** for students and professors using AMDIS, thus reducing support requests by 15% and increasing student adoption of the platform by 40%

**Portfolio Projects**

1. **Personal Training Booking Platform, UWG – Web Technologies I, Dec 2023**
   1. Developed a responsive website ([**https://savitha-v.github.io/ptconnect/**](https://savitha-v.github.io/ptconnect/)) for purchasing personal training sessions as part of my final exam project in a web development course. Implemented using **HTML, CSS, JavaScript,** and **Bootstrap**, the site demonstrates my proficiency in front-end technologies and showcases an intuitive user interface for a seamless purchasing experience.
2. **Career Portfolio, UWG – Web Technologies I, Oct 2023**
   1. Developed a professional portfolio website ([**https://savitha-v.github.io/savven**/](https://savitha-v.github.io/savven/)) for my midterm exam project in a web development course. Implemented using **HTML** and **CSS** and showcasing my technical skills and projects, the site features a clean design, easy navigation, and highlights my software engineering expertise, serving as a central hub for potential employers to explore my work and capabilities.