**Savitha Venkatesh**

*Software Engineer*

**Contact**

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**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**

* **Software Engineer, Cognizant, Jun 2022 – Aug 2023**
  + 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
  + 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
* **Data Engineering Intern, VMware, May 2021 – Aug 2021**
  + 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
  + 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
* **Cloud Team Student Engineer, University of Texas at Dallas, Sep 2020 – May 2021 & Aug 2021 – Feb 2022**
  + 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
    - 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
      * 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**

* **Personal Training Booking Platform, UWG – Web Technologies I, Dec 2023**
  + 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.
* **Career Portfolio, UWG – Web Technologies I, Oct 2023**
  + 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.