

# Savitha Venkatesh

SOFTWARE ENGINEER

## CONTACT

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🌐 <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

August 2018 - May 2022

UNIVERSITY OF TEXAS AT DALLAS

**B.Sc. in Data Science**

August 2023 - May 2025

UNIVERSITY OF WEST GEORGIA

**M.Sc. In Applied Computer Science – Software Engineering**

## MANAGEMENT SKILLS

- JIRA, Agile, MS Office, Confluence, Git
- Public Speaking & Presentation
- Bilingual Communications
- Project Scheduling & Strategic Planning

## TECHNICAL SKILLS

- **Languages:** C++, R, Python, SQL, Java, HTML, CSS, JavaScript
- **Big Data Technologies:** Hadoop, Hive, AWS S3, Google BigQuery, Redshift
- **Web Development Frameworks:** Bootstrap, Spring (Core, SpringBoot, Spring Data JPA, Spring RESTful Webservices), Angular
- **Software Development Concepts:** DevOps, Microservices, WebUI, API, ITIL
- **Development Tools:** Visual Studio, PyCharm, RStudio, NetBeans, Jupyter Notebooks, Git, Eclipse
- **Database Management:** MySQL, SQLite, Snowflake, DataGrip
- **Cloud Technologies:** AWS

## EXPERIENCE

June 2022 – August 2023

**Software Engineer, Application Development & Management** | Cognizant

- 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

Projects

- 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

May 2021 – August 2021

**Data Engineering Intern, End User Computing Business Insights** | VMware

Planned and created documentation to carry out specific tasks and functions in **Amazon Web Services (AWS)** using **Jira** and **Confluence** created templates on **AWS CloudFormation** to provide necessary resources for development of an application or solution

Projects

- 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

September 2020 – May 2021, August 2021 – February 2022

**Cloud Team Student Engineer** | University of Texas at Dallas

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

December 2023

**Personal Training Booking Platform** | UWG – Web Technologies I

- Developed a responsive website (<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.

October 2023

**Career Portfolio** | UWG – Web Technologies I

- Developed a professional portfolio website (<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.