

Srividya Kamakshi Valiveti



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srividyakamakshi.github.io/portfolio/

EDUCATION



M.S. Computer Science 4.0 GPA
University of North Texas (Jan 2023 – May 2024)

M.Tech, Software Engineering 3.7 GPA
Birla Institute of Technology & Science (Aug 2019 – May 2021)

B.Tech, Computer Science 3.5 GPA
Jawaharlal Nehru Technological University (Aug 2015 – May 2019)

WORK EXPERIENCE



SAP Labs, India

May 2020 – Jan 2022
Full stack Developer

- Independently developed a **comprehensive project management application**, like Trello, from concept to deployment. Resulted in a notable 20% increase in product usage.
 - Employed a micro frontend architecture, seamlessly integrating React and SAPUI5 to deliver a cohesive user experience.
 - Created **15+ customized UI components** like board, list and card which enabled users to organize and prioritize their tasks during their project implementation.
 - Designed a Java Spring Boot backend, built REST APIs for key functionalities of board management achieving a 30% faster response time.
 - Integrated a Markdown to HTML converter, streamlining access to Git-hosted content from the application, reduced formatting errors by 90%.
 - Highlight of 2021 release due to a remarkable 50% cost reduction by replacing a third-party.
- Implemented a **chatbot** solution to autonomously perform ERP to S/4 HANA Cloud migration tasks using Node.js APIs and SAP CAI
 - Automated error detection and customer support, ensuring prompt issue resolution and increased availability of the service.
 - Reduced customer involvement time from 4-5 hours to an average of 10-15 minutes in 60% of cases.
- Led daily scrum meetings, adhering to Agile principles. Contributed to 75+ code reviews, low/high level designs emphasizing coding best practices.

SAP Labs, India

Aug 2019 – Apr 2020
Student Training & Rotational Program

- Led a 3-member backend team for Single Access Platform, a cloud data management app using AngularJS and Spring Boot.
 - Designed **REST APIs for CRUD operations** and analytics on both trainee and manager data.
 - Established **the database schema** and used normalization techniques in **MySQL** to optimize the design and performance.
 - Built an automated mailing system using SMTP with HTML, CSS for visually appealing emails.
- Developed a **microservice in SpringBoot** for SAP Web Analytics, automating alert detection and categorization. Timely notifications for critical issues reduced downtime by 15%

Univ. of North Texas

Aug 2023 – Present
Teaching Assistant

- Leveraged expertise in MySQL & Oracle database to support 120+ students in **Fundamentals of Database Systems**, to master key concepts like ER Modelling, query design + optimization.
- Used pedagogical techniques & Canvas Analytics to achieve a 92% student engagement index.

PROJECT EXPERIENCE



Sakhi Application

Apr 2023 – May 2023

- Implemented a robust machine learning logistic regression model using **Python** and scikit-learn to assess breast cancer risk (95% accuracy). Employed **Pandas library** for data preprocessing.
- Integrated the model into an interactive web application that allows tracking menstrual cycle using the **Streamlit** framework.

TECHNICAL SKILLS



Front-End: **HTML, CSS, JavaScript, SAPUI5, React**

Back-End: **Java, Spring Boot, Node.js, Python**

Database: **MySQL, PostgreSQL, Oracle**

Tools: **Git, Jupyter Notebook, IntelliJ**

Other: **Agile Principles, Microsoft Suite**

AWARDS



Most Impactful Contributor
Project management tool, SAP Discovery Center

Star of the Batch – **All round excellence, 2019 -21**
Vocational Training Committee, VT/STAR Program

Highest rated Teaching Assistant, Fall 2023
CSCE 5350, rated against a group of 10