Srividya Kamakshi Valiveti

Dallas-Ft. Worth, TX • 1-623-274-9796 • srividyakamakshi98@gmail.com • linkedin.com/in/srividya-v • skv-portfolio.github.io/

EDUCATION

University of North Texas - Denton, TX   Jan 2023 – May 2024
Master of Science | Computer Science   **GPA:** 4.0
Coursework: Data Structures & Algorithms, Fundamentals of Databases, Machine Learning

Birla Institute of Technology & Science - Bangalore, India   Aug 2019 – May 2021
Master of Technology | Software Engineering   **GPA:** 3.7
Coursework: Object Oriented Programming, Software Architecture, Software Testing Methodologies

Jawaharlal Nehru Technological University - Hyderabad, India   Aug 2015 – May 2019
Bachelor of Technology | Computer Science   **GPA:** 3.5
Coursework: Web Development, Data Structures & Algorithms, Operating Systems

WORK EXPERIENCE   (ordered by relevance)

Full stack Developer   May 2020 – Jan 2022
SAP Labs, India   Bangalore, India

- Independently designed and released a Trello-like **project management application** which increased product usage by 20%. Highlight of 2021 release: a 50% cost reduction from third-party solution replacement.
  - Created **15+ customized UI components** like board, list, and card using a micro frontend architecture, seamlessly integrating React and SAPUI5 to deliver a cohesive user experience.
  - Built **REST APIs** for key functionalities like user authentication, markdown-html conversion using Java SpringBoot achieving a 30% faster response time. Implemented role-based access control using Spring Security to ensure data security and privacy.
- Automated ERP to S/4 HANA Cloud migration through a chatbot solution using SAP CAI and Node.js. Reduced customer involvement time, from 4-5 hours to 10-15 minutes in 60% of cases.
- Led daily scrum meetings, conducted 75+ code reviews, actively contributed and documented design discussions.

Student Trainee – Scholar@SAP   Aug 2019 – Apr 2020
SAP Labs, India   Bangalore, India

- Led a 3-member team in developing Single Access Platform, an employee performance tracker, using Angular and Java Spring Boot in a record time of 2 months. Designed the landing and analytics page along with **REST APIs** for all **CRUD operations**, and optimized query performance in **MySQL**. Used **JUnits** for unit testing all the features.
- Automated alert detection and categorization through **microservice architecture** in Java SpringBoot for SAP Web Analytics team. Timely notifications for critical issues resulted in a downtime reduction by 15%

Graduate Teaching Assistant   Aug 2023 – Present
University of North Texas   Denton, TX

- Supported 240+ students in **Fundamentals of Database Systems** in key topics like ER Modelling, query design etc.
- Used pedagogical techniques & Canvas Analytics to achieve a 92% student engagement index.

PROJECTS

Sakhi: A menstrual cycle tracking application using Streamlit integrated with a logistic regression-based breast cancer risk assessment model using Python, Pandas and scikit-learn.

Heart Disease Prediction through retinal images: Developed a machine learning-based approach using Random Forest and SVM models to predict heart disease using retinal imaging.

SKILLS

Front-End: **HTML, CSS, JavaScript, SAPUI5, React**   Back-End**: Java, Spring Boot, Python**

Database: **MySQL, PostgreSQL, Oracle Database**   Tools: **Git, Jupyter Notebook, IntelliJ, VS Code**

Cloud: **Azure, Oracle Cloud Infrastructure**   Other: **Agile Principles, Microsoft Suite**