

# MEGHANA KADALI

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## EDUCATION

**The University of Texas at Arlington.**

**JAN 2022 - DEC 2023**

Master of Science in Computer Science | **GPA – 3.67/4**

**BVRIT Hyderabad College of Engineering for Women.**

**JUL 2016 - NOV 2020**

Bachelor of Technology in Information Technology | **GPA – 3.70/4**

## TECHNICAL SKILLS

**Programming Languages:** C, Java, Python, C++, JavaScript, R, C#.

**Back End Development:** Spring Boot, Spring MVC, RESTful APIs, NodeJS, Flask, Scala, PHP, Microservices Architecture.

**Front End Development:** HTML, CSS, React, Bootstrap, jQuery.

**Databases:** Oracle, MySQL, ServerSQL.

**Testing and Debugging Tools:** Junit, Selenium

**Other tools/ Frameworks:** Eclipse IDE, Visual Studio Code, Agile methodologies, Sprint planning, MS Office, XAMPP, GIT.

## PROFESSIONAL EXPERIENCE

**Accenture Technology**

**DEC 2020 – DEC 2021**

**Full Stack Engineer**

- Demonstrated proficiency in full-stack development, skilled in both front-end and back-end technologies, with expertise in JavaScript and React for client-side development and Java for server-side programming.
- Developed robust RESTful APIs contributing to the back-end, ensuring efficient communication between client-side and server-side architectures. Created RESTful API endpoints with Spring Boot to connect the Java Appointment Provider back end with front end applications built using react fostering collaborative communication and facilitating problem-solving and workflow efficiency.
- Created an optimized logic for the Java Appointment Provider application using algorithms as a Software Engineer, which increased appointment capacity by 100% and cut operational costs by 50%.
- ReactJS provided text search, navigation, and display UIs, allowing for quick searching, grouping, and displaying results from three different APIs and Used Spring MVC which is the backbone to build web applications, custom-coded CSS features to have a unique styling frontend for the application, and handled data through Oracle.
- Integrated Oracle Database with the Spring Boot application using Spring Data JPA for seamless data access and management while adhering to technical documentation standards.
- Participated in sprint planning meetings and daily stand-ups to track project progress.
- Collaborated with cross-functional teams to gather requirements and design software solutions and conducted unit tests and integration tests using JUnit framework to ensure code quality and reliability.

## ACADEMIC PROJECTS

**Inventory management of a construction-based hardware store:**

- Built a database-driven project for a hardware store, involving the design and development of a web-based application integrated with a SQL database.
- Followed a structured software development process, encompassing all the essential phases such as Requirement Analysis, EER Modelling, Mapping EER to Relations, Database Creation, Application Development. Language: Java, JSP, HTML, CSS Database: Omega (UTA) SQL database.

**Personal loan predictor:**

- Developed a personal loan prediction model using Python and machine learning libraries (Pandas, NumPy, Scikit-learn, XGBoost). Preprocessed data from a CSV file: handled missing values, scaled features, and created dummy variables for categorical data.
- Trained multiple models (Logistic Regression, Decision Tree, Random Forest), achieving up to 98.1% accuracy. Implemented RESTful APIs with Flask for real-time predictions and serialized the model using Pickle for deployment. Visualized data relationships using Matplotlib and Seaborn for exploratory data analysis and insights.

## ACHIEVEMENTS, HACKATHONS & INTERESTS

- JOC PYTHON: Received Gold Medal in PYTHON Certification by NPTEL and was in the top 5% of students.
- Two-day workshops followed by a 24-hour Hackathon on Building Chat Bots with IBM Watson and on Machine Learning by Smart Bridge in Collaboration with IBM.
- I published a book on Wattpad with an interest in storytelling.
- Been one of the volunteers in SAHAYA foundation and gave Math and English classes to students for 2 years.