



LALITHYA MADA

lalithya.mada@utdallas.edu | +1-(469)-876-9304 | [LinkedIn](#) | [Github](#)

EDUCATION

The University of Texas at Dallas

Master of Science, Computer Science

Konneru Lakshmaiah University

Bachelor of Technology, Computer Science Engineering

Expected May 2025

GPA 3.8/4

May 2022

GPA 9.0/10

TECHNICAL SKILLS

Programming: Python, Java, C#, R, SQL, .NET 6, Django.

Data Science: PyTorch, TensorFlow, Scikit-learn, NumPy, Pandas, SpaCy, Matplotlib, Tableau, Power BI, Spark.

Cloud and Operations: AWS, GCP, Azure, Docker, Kubernetes, Postman, Kafka, Git, Jenkins, JIRA, CI/CD.

Databases and Tools: MySQL, MongoDB, Cosmos DB, Snowflake, Figma, Blazor.

Certifications: ServiceNow Certified System Administrator, Microsoft Azure SQL Fundamentals, HackerRank SQL Advanced

PROFESSIONAL EXPERIENCE

Deloitte, Hyderabad, India

May 2022 - Jul 2023

Software Engineer

- Developed and deployed a e-learning web application using .NET 6, C#, Blazor, and SQL Server, enhancing technical and professional skills for Deloitte employees.
- Incorporated reusable UI component enhancing, streamlined development processes across projects, and boosted task efficiency by 40%, while reducing overall development time by 50%.
- Designed and implemented RESTful APIs to enable seamless communication between front-end and back-end systems, facilitating efficient data retrieval and updates. Integrated secure authentication and authorization protocols, ensuring robust data protection and smooth access control across Deloitte's e-learning platform, enhancing scalability and system reliability.
- Executed data migration of over 1 million records from MySQL to Cosmos DB, managing Azure Data Factory pipelines to ensure seamless data integration across 6 Deloitte business units, reducing data processing time by 25%.
- Created intuitive Power BI dashboards from 500K+ records of unclean data, identifying flaws and areas for improvement, which reduced inefficiencies by 30% and simplified workflows by 20%.

Deloitte, Hyderabad, India

Jan 2022 - Apr 2022

Software Engineer Intern

- Automated data cleaning and standardization for 100,000+ rows using Python, Pandas, and NumPy, resolving inconsistencies and improving analytics efficiency by 30%.
- Created over 20 wireframes and interactive prototypes using Figma for a web application, ensuring UI design consistency in collaboration with a team of six developers.

ACADEMIC PROJECTS

Library Management System

University of Texas at Dallas

Aug 2023 - Dec 2023

- Built a user-centric interface using HTML, CSS, Django, and Python, enabling users to search for books, track library inventory, and calculate overdue fees.
- Implemented and optimized MySQL databases, focusing on scalability, data integrity, and performance to support efficient management of book records and user transactions.

Gender Detection Model

Jul 2021 - Dec 2021

Konneru Lakshmaiah University

- Created and deployed a gender classification model utilizing facial feature recognition, achieving 91.7% accuracy with Convolutional Neural Networks (CNNs).
- Boosted model performance by 15% through the application of the Deformable Spatial Pyramid technique to enhance subtle feature detection.

College Report Handling

Dec 2019 - Mar 2019

Konneru Lakshmaiah University

- Led the design and development of a Java-based college website with features like profile management, event registration, and networking, enhancing user experience and administrative efficiency. Utilized MySQL for secure and scalable database management, ensuring precise handling of student and alumni information.

PROFESSIONAL INVOLVEMENTS

- Assisted in delivering and grading coursework and provided guidance to undergraduate students.