

VASISTA TUMMALA

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OBJECTIVE

Motivated graduate student with a solid foundation in both software development and data science. Proficient in Python, Java, cloud technologies, and machine learning frameworks. Seeking to leverage expertise in building scalable software solutions and data-driven applications to contribute to innovative development teams and drive business success.

EDUCATION

University of Houston

Houston, Texas, USA

Master of Science, Engineering Data Science | **CGPA:** 3.83/4

August 2023 – December 2024

Coursework: Introduction to Data Science, Introduction to Machine Learning, Probability and Statistics, Data Analysis, AI for Engineers, Database Management Tools, Natural Language Processing, Deep Learning, Data Mining

Gandhi Institute of Technology and Management

Hyderabad, Telangana, India

Bachelor of Technology, Computer Science and Engineering | **CGPA:** 8.7/10

June 2019 - April 2023

Coursework: Cloud Computing, Operating Systems, Computer Networks, Software Engineering, Agile Software Development

SKILLS

Programming Languages & Frameworks: Python, R Language, Java, Flask, Spring, Spring Boot

Data Management: SQL, ORACLE, MYSQL, SQLite

Technical Skills: Azure, AWS, CI/CD, Docker, Kubernetes, Microservices, Cloud Architecture

Tools and Technologies: Jira, Miro, Postman, Tableau, Agile Software Development

PROFESSIONAL EXPERIENCE

CLOUD ARCHITECT INTERN

February 2023 – May 2023

Quadrant Technologies (*formerly Quadrant Resource*),

Hyderabad, Telangana, India

- Mastered Azure Services and DevOps practices, enhancing team expertise in cloud architecture and design
- Assisted senior staff in refining cloud architecture, reducing deployment time by 30% through optimized strategies.
- Utilized AWS, Docker, and Kubernetes to improve team adaptability and cloud infrastructure management.

PYTHON DEVELOPER INTERN

August 2022 – September 2022

Padaayi Foundation - Internshala

Hyderabad, Telangana, India

- Developed an OpenCV solution for Indian Sign Language, achieving 95% gesture recognition accuracy.
- Trained a model using OpenCV and Google's Mediapipe for hand sign recognition hearing and speech impaired.
- Improved gesture recognition speed and accuracy, optimizing communication efficiency through processing enhancements.

PROJECTS

Retail Domain Pricing

Developed a Flask application automating retail pricing strategies, enabling data-driven pricing decisions and increasing efficiency and reducing manual effort by 50% in the retail industry.

Technologies used: Python, SQL, Flask, HTML, CSS

Repository URL: <https://github.com/Vasista-28/Retail-Pricing>

Restaurant and Food Service Management System

Created a comprehensive restaurant management website to streamline daily operations, optimize resource allocation, and enhance customer satisfaction through real-time order tracking and inventory management.

Technologies used: MYSQL, PHP, JavaScript, HTML and CSS

Repository URL: <https://github.com/Vasista-28/Restaurant-and-FSM-System-Project>

Racism Detection through Stacked Ensemble GCR-NN Model (Group project)

Designed and implemented a system that detected and blocked racist remarks on social media platforms, achieving an accuracy of 92% and reducing harmful content by 95%.

Technologies used: NLTK, Flask, CNN, RNN, GRU, LSTM

Repository URL: <https://github.com/Vasista-28/Racism-Detection>

ACHIEVEMENTS

Student Club - DISHA

- **Technical Team Member (2019-2020):** Developed expertise in photography and social media management.
- **Treasurer (2020-2021):** Successfully managed club finances, overseeing cash and account management.
- **Technical Team Lead (2021-2023):** Demonstrated strong decision-making skills and led key technical initiatives