G HARSHA VARDHAN REDDY

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CAREER OBJECTIVE

Aspiring software engineer looking to use my expertise in creating scalable and effective systems, with a solid background in Java, Spring Boot, and machine learning. Enthusiastic about using creative thinking to solve practical issues, I hope to contribute to worthwhile initiatives and keep learning new technology.

EDUCATION

KL University **2021-2025**
Bachelor of Technology in Computer Science (GPA: 9.33 / 10.00) *Guntur, Andhra Pradesh*

Sri Chaitanya Junior College **2019-2021**
Board of Intermediate Education (Percent: 77/100) *Guntur, Andhra Pradesh*

Sri Chaitanya High School **2018-2019**
Secondary School Certificate (GPA: 9.50 / 10.00) *Guntur, Andhra Pradesh*

PROJECTS

Chat Application | *ChatEngine, React, TypeScript*

- Developed a real-time messaging application using React and TypeScript for a scalable and maintainable front-end.
- Integrated Chat Engine SDK to enable secure, real-time chat functionalities.
- Implemented authentication and authorization using JWT for secure user sessions.
- Designed a responsive and intuitive UI to enhance cross-device usability.

Online Bidding System | *Java Spring Boot, MySQL, Git*

- Developed a secure and scalable online auction platform using Spring Boot and MySQL.
- Implemented JWT-based authentication and role-based access control (RBAC) for enhanced security.
- Designed and optimized a relational database schema in MySQL for efficient auction data management.
- Implemented Git for version control, ensuring smooth collaboration and code management.
- Used GitHub for tracking changes, managing branches, and resolving merge conflicts.

Grape Quality Prediction for Winemaking | *Machine Learning, Image Processing*

- Developed a machine learning-based system to analyze grape quality using image processing techniques.
- Extracted key features such as color, shape, and texture from high-resolution grape images using OpenCV.
- Implemented classification models using scikit-learn to predict grape suitability for winemaking.
- Utilized Python, OpenCV, and machine learning algorithms for feature extraction and model training.

TECHNICAL SKILLS

Programming Languages: C, Java, C++, Python
Technologies: React, SpringBoot
Course Work: AI-ML, Database Management System, Data Structures
Tools: Automation Anywhere, ChatEngine, Git
Database: MySQL(Basic)

CERTIFICATIONS

Automation Anywhere Certified Essentials RPA Professional 2024
AWS Cloud Practitioner 2023
UI/UX Design

PUBLICATIONS

”An Efficient cluster based Deep Learning Model for Multi-Attack classification in IDS” (Ongoing)

POSITIONS OF RESPONSIBILITY

Core Team Member **2023-2024**
Robotic Process Automation Club *KL University, Guntur*