

Yarrapureddy Parthiv Reddy

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EDUCATION

Mahindra University

B.Tech. in Computer Science and Engineering

Expected Aug 2026

Hyderabad, India

TECHNICAL SKILLS

Programming Languages: Python, Java, C, SQL, HTML/CSS, JavaScript

Technologies & Tools: Git/GitHub, AWS, Docker, Scikit-learn, Pandas, NumPy, TensorFlow, Linux/Unix

Domains: Machine Learning, Data Science, Software Development

PROJECTS

Portfolio Website with AI Integration (Website Link)

Jan 2025

- Designed and developed a fully responsive portfolio website using HTML5, CSS3, and JavaScript.
- Integrated a 3D avatar using advanced animations (GSAP, Typed.js) and optimized for performance with lazy loading, improving page load time by 30%.

KBC-Style Quiz Game

Dec 2024

- Developed a Kaun Banega Crorepati-style quiz game with Java Swing and a robust question bank.
- Enhanced user experience with visually appealing GUI and lifeline options.

Background Subtraction Project

Nov 2024

- Implemented algorithms for dynamic background subtraction using Python and OpenCV.
- Optimized object detection accuracy while reducing noise for clearer tracking results.

Online Risks Awareness Website

May 2024

- Developed a website using Google Sites and JavaScript, educating 200+ children on online safety.
- Increased engagement by 40% through gamified quizzes and interactive content.

Property Price Prediction System

April 2024

- Developed a predictive model using Random Forest, achieving 80% accuracy for property price estimation.
- Streamlined feature engineering and optimized hyperparameters for a 10% efficiency boost.

Disease Diagnosis Model

June 2024

- Built a Gradient Boosting model with an ROC-AUC score of 0.9, reducing misdiagnosis rates by 20%.
- Deployed the model in a simulated healthcare environment to validate its practicality.

ACHIEVEMENTS AND CERTIFICATIONS

Google IT Support Professional Certificate: Gained expertise in troubleshooting, networking, and system administration.

Python Specialization (University of Michigan): Advanced Python programming and data analysis.

Machine Learning Specialization (Stanford Online): Mastered core ML concepts, neural networks, and hyperparameter tuning.

IBM & AWS Quantum Certifications: Recognized for contributions to quantum computing simulations and applications.

ADDITIONAL INFORMATION

Interests: Passionate about generative AI; experimenting with AI chatbots and AI Agents, copilots, and building small-scale applications.