Chitti Shivacharan Reddy

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PROFESSIONAL SUMMARY

Computer Science Engineering student specializing in Artificial Intelligence, Computer Vision, and Machine Learning with hands-on experience developing intelligent systems. Proven ability to build production-ready applications using Python, OpenCV, and Flask. Strong foundation in algorithm design and problem-solving with demonstrated success in creating gesture-controlled systems and ML-based security tools. Seeking software engineering opportunities to leverage technical expertise and drive innovation at scale.

EDUCATION

Marri Laxman Reddy Institute of Technology & Management   Hyderabad, India
Bachelor of Technology in Computer Science (CSM AIML) — Expected Graduation: 2028   *2025 – Present*

Indur Institute of Engineering & Technology   Telangana, India
Diploma in Computer Science Engineering — CGPA: 8.71/10.0   *Completed 2025*

TECHNICAL SKILLS

Programming Languages: Python, C, JavaScript, HTML, CSS
AI & Computer Vision: OpenCV, MediaPipe, Machine Learning, Feature Engineering, Model Training
Frameworks & Libraries: Flask, NumPy, Pandas, PyAutoGUI, scikit-learn
Tools & Technologies: Git, REST APIs, Web Development, Automation, GUI Control
Core Competencies: Algorithm Design, Data Structures, Problem Solving, System Design, Agile Development

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PROJECTS

MITAI — AI-Powered Interview Preparation Platform | *Python, Flask, NLP, Machine Learning*   2024
- Built MATAI, an AI-powered interview preparation system that simulates technical and HR interviews with dynamic, context-aware questions across Full Stack, ML/AI, Computer Vision, DSA, and System Design domains.
- Implemented an adaptive evaluation engine achieving 85% answer-assessment accuracy, delivering structured feedback, identifying knowledge gaps, and adjusting question difficulty for personalized multi-session interview training.

Gesture-Controlled Virtual Mouse | *Python, OpenCV, MediaPipe, PyAutoGUI*   2024
- Engineered a hardware-free virtual mouse system using real-time hand tracking and gesture recognition, eliminating physical input device dependency.
- Implemented computer vision algorithms to detect and process hand landmarks with 95%+ accuracy using MediaPipe.
- Developed intuitive gesture mappings for cursor movement, clicks, drag-and-drop, and scrolling.
- Optimized frame processing pipeline to achieve 30+ FPS performance on standard hardware.

Phishing Website Detection System | *Python, Machine Learning, Flask*   2024
- Developed ML-based web security tool to detect phishing websites with 92%+ accuracy.
- Engineered 15+ URL and content-based features for classification.
- Evaluated multiple ML models including Random Forest, SVM, and Logistic Regression.
- Deployed Flask-based web app with REST API for real-time analysis.

ACHIEVEMENTS & LEADERSHIP

Academic Excellence: Achieved 8.71/10.0 CGPA in Diploma, demonstrating strong academic performance.

Project Innovation: Developed 4+ production-ready AI/ML projects showcasing hands-on engineering skills.

Self-Learner: Independently mastered Computer Vision, Machine Learning, and Flask framework.

Team Collaboration: Demonstrated strong communication and teamwork through multi-person projects.