Pavan Macha

Email: pavan.macha46@gmail.com
Mobile: +918074584846

Linkedin GitHub

SUMMARY

AI & ML enthusiast with expertise in Python, Deep Learning, TensorFlow, and NLP. Skilled in model development, algorithm evaluation, and MySQL database management. Strong leadership and problem-solving skills with hands-on experience in AI internships.

WORK EXPERIENCE

- **AI Intern, IBM**   Feb 2024 – Mar 2024
  - **Model Optimization & Accuracy Enhancement**: Optimized AI models by analyzing classifiers for improved accuracy.
- **Secretary, IEI - Student Chapter CMREC**   Mar 2024 – Present
  - **Logistics & Document Management**: Managed logistics, documents, and event coordination.
  - **Operations Streamlining & Event Coordination**: Led efforts to streamline operations and ensure event success.

PROJECTS

- **Gesture Recognition System**
  Real-time gesture recognition using MediaPipe, OpenCV, Flask, MySQL.
  - **Detection**: Real-time gesture tracking and logging.
  - **Applications**: Enhances accessibility and virtual interfaces.
- **Handwritten Digit Classification**
  CNN-based digit classification with MNIST dataset.
  - **Model**: Achieved 97% accuracy with CNN.
  - **App**: Flask-based digit recognition app.
- **Heart Disease Prediction**
  Heart disease risk prediction using Logistic Regression.
  - **Model**: Achieved 85% accuracy with Logistic Regression.
  - **Interface**: User-friendly web interface for predictions.

SKILLS

- **Programming Languages**: Java, C++, Python, C
- **ML & AI**: Machine Learning, Deep Learning, NLP
- **Technologies**: TensorFlow, OpenCV, MediaPipe, Streamlit, Flask
- **Databases**: MySQL
- **Computer Science**: Data Structures (Java)
- **Soft Skills**: Problem-solving, Time Management, Teamwork

EDUCATION

- **CMR Engineering College**   Medchal, TG
  B.Tech - CSE (AI & ML), 81.8%   *2022 – 2026*

CERTIFICATIONS

- **Machine Learning with Python**   IBM
- **Bronze Certificate**   Smart Interviews
- **PHP and MySQL Training**   IIT Bombay
- **Young Professional on Soft Skills**   TCS iON Career Edge