Mahendra Gaddam

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Career Objective

Motivated Computer Science Engineer with strong problem-solving and programming skills, eager to contribute to innovative projects, embrace emerging technologies, and grow with dynamic organizations.

Education

SR University, Warangal — **Aug 2023 – Jun 2026**
B.Tech in Computer Science — CGPA: 9.28/10.0

Government Polytechnic, Warangal — **Nov 2020 – May 2023**
Diploma in Computer Science — CGPA: 9.74/10.0

St. Joseph Convent High School, Warangal — **2019–2020**
Secondary Education (SSC) — CGPA: 10.0/10.0

Experience

Full Stack Web Development Intern (Virtual) — A.N.D Intern — Jun 2024 – Aug 2024

- Built web applications including portfolio, form validation, Amazon landing page, and weather API integration.
- Strengthened HTML, CSS, and JavaScript fundamentals through project-based learning.
- Practiced version control and collaborative workflows with GitHub.

AI & ML Intern (Virtual) — Gustovalley Technovations — Apr 2024 – May 2024

- Explored supervised learning concepts, dataset preprocessing, and Python libraries (NumPy, Pandas).
- Applied dataset handling and model experimentation to build ML prototypes.
- Understood real-world AI/ML applications through guided projects.

Trainee (Python) — Softwayz IT Solutions — Dec 2022 – May 2023

- Practiced Python programming fundamentals with hands-on coding tasks.
- Gained exposure to SQL integration concepts in a structured training environment.
- Strengthened problem-solving ability and foundational software development skills.

Projects

Deepfake Detection & Attribution System — Python, PyTorch, TensorFlow, CNN, XceptionNet

- Developed multi-modal deepfake detection achieving **99.54%** (image), **98.25%** (audio), and **86.27%** (video) accuracy
- Implemented XceptionNet with attention mechanisms for image artifact detection and MTCNN for face preprocessing
- Processed audio using mel-spectrogram CNNs and video via temporal frame analysis with 3D CNNs
- Deployed unified system on Hugging Face with interactive dashboard for real-time detection

Sign Language Recognition System — Python, TensorFlow, OpenCV, CNN

- Designed a CNN-based model to recognize common sign gestures with **85% accuracy** on a test set of **1,000+ images**.
- Applied preprocessing and augmentation to reduce false predictions by **15%**.
- Built a real-time detection pipeline using OpenCV, simulating human–computer interaction scenarios.

Online Invoice Generation System — Java, JSP, Servlets, MySQL

- Developed a full-stack invoicing system supporting **multi-user roles**, product/customer management, and PDF invoice downloads.
- Integrated MySQL with JSP/Servlets to handle **1,000+ records efficiently** and enable secure logins with dashboards.
- Enhanced UI/UX with streamlined navigation and validation, improving usability by **25%** in test runs.

Technical Skills

Programming Languages: Python, Java, C++, C, C#, SQL
Web Development: MERN Stack, AngularJS, JavaScript, HTML, CSS, REST APIs
Databases: MySQL, MongoDB, PL/SQL
AI/ML & Deep Learning: TensorFlow, PyTorch, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, NLTK; CNNs, RNNs, Transformers, XceptionNet, MTCNN
Tools & Platforms: AWS, Git & GitHub, Linux, Google Colab, Postman

Soft Skills

Problem-Solving, Team Collaboration, Leadership, Critical Thinking, Adaptability, Time Management, Creativity

Languages

English (Fluent), Hindi (Fluent), Telugu (Native), Spanish (Beginner)

Certifications & Courses

Theory of Computation – NPTEL [View]
Certified System Administrator – ServiceNow [View]
Cloud Virtual Internship – AWS (AICTE-Eduskills) [View]
Data Structures and Algorithms – UC San Diego (Coursera) [View]