Adithya Sharma

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EXPERIENCE

Artificial Intelligence developer Intern   May 2025 – Aug 2025
Viswam AI (open-source)   *Hyderabad, India*

- Engineered a Telugu-language conversational AI by processing 500+ hours of speech data, boosting model accuracy from 82% → 97%.
- Built and optimized a CHATGPT like prototype capable of handling concurrent users with improved latency and scalability.

PROJECTS

Voice-Based Gender Detection System | GitLink | Python, TensorFlow, Librosa, MLP

- Designed and trained a deep learning model using Mel-Spectrogram features, achieving 95% accuracy and 94% precision.
- Automated extraction from 60,000+ WAV files, reducing preprocessing time by 40%.
- Integrated real-time audio classification and CSV-based data handling for live prediction.

JARVIS-Inspired Voice Command Assistant | GitLink | Python, TensorFlow, Speech Recognition

- Developed a voice-controlled AI assistant enabling hands-free automation for web, files and applications.
- Implemented NLP-based command processing with Tensorflow and optimized response latency by 25%.

Spam Mail Detection using Machine Learning | GitLink | Python, TensorFlow, Regression Algorithm (ML).

- Built a spam classifier using TF-IDF and Naïve Bayes, reaching 99% accuracy on 5k+ email samples.
- Streamlined data preprocessing and model evaluation pipelines, improving training efficiency by 30%.

UrTasks - Dynamic To-Do List Web Application| GitLink | Reactjs, HTML, TailwindCSS, JavaScript

- Developed UrTasks, a feature-rich task management application, using React and JavaScript (ES6) to create a responsive. single-page application (SPA) for a seamless user experience.
- Engineered the application's core logic for full CRUD (Create, Read, Update, Delete) functionality, utilizing React Hooks (useState, useEffect) for efficient state management.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C.
- **Web Development**: HTML, CSS, JavaScript, React.js, MySQL.
- **Machine Learning Tools**: TensorFlow, scikit-learn, pandas, librosa, numpy, matplotlib.
- **Development Frameworks & Tools:** Botpress, MATLAB, Arduino.
- **AI/ML:** Deep learning, NLP, Model Evaluation, Feature Engineering, Data preprocessing.
- **Embedded Systems:** Arduino-based project development.
- **Cybersecurity:** Cisco-certified training in cybersecurity fundamentals.

ACHIEVEMENTS

- Academic Excellence: Secured an All India Rank under 10,000 in the JEE Advanced 2022, one of the most competitive engineering entrance examinations globally.

- Competitive Programming: Consistently solved 200+ data structures and algorithms problems on LeetCode, demonstrating strong analytical and problem-solving abilities. (LeetCode)

- Hackathon Excellence: Secured 4th place among nearly 1000 participants in the Tech Hack 3.0 developing a fullstack application which helps users managing their finances within a 48-hour timeframe. (GitLink)

EDUCATION

Anurag University   Hyderabad, India
Bachelor of Tech. in Electronics and communication (CGPA: 9.21)   *Nov.2022- June.2026*