

SAI SESHU ADIMULAM

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PROFESSIONAL SUMMARY

Computer Science student specializing in AI/ML and full-stack development with hands-on experience in TensorFlow, Android development, and cloud technologies. Proven track record through internships at tech companies and multiple deployed projects. Seeking opportunities to leverage machine learning expertise and software development skills in innovative AI-driven solutions.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, Kotlin, C
- **AI/ML Frameworks:** TensorFlow, TensorFlow Lite, Machine Learning, Deep Learning
- **Databases:** SQL, MongoDB.
- **Tools:** Jupiter Notebook, VS Code, Tableau
- **Web Development:** ReactJS, HTML/CSS, RESTful APIs, Frontend Development
- **Mobile Development:** Android Studio, Android App Development
- **Cloud & Tools:** AWS, Git, API Integration, Data Preprocessing, Version Control

EXPERIENCE

AI & ML Intern | Sweach Foundation

[May, 2024] – [July, 2024]

- Developed AI/ML models for real-world applications using Python and TensorFlow.
- Worked on data preprocessing, model training, and performance optimization.

Android Developer Intern | Edu skills Cohort Internship

[September, 2024] – [November, 2024]

- Built Android applications in Android Studio using Kotlin/Java.
- Gained hands-on experience with AWS data engineering and cloud services.

Front End Development Intern | Technical Hub

[September 2022] – [December 2022]

- Developed responsive web applications using HTML, CSS, Bootstrap, and JavaScript while gaining hands-on experience with PHP & XAMPP for server-side functionality and database integration
- Enhanced technical proficiency by working with AWS cloud services for deployment and hosting, building full-stack solutions that bridge frontend user interfaces with backend server architecture

PROJECTS

1. AI-Powered Assistive Object & Sound Detection

- Developed an Android app using TensorFlow Lite to detect objects and critical sounds for visually impaired users
- Implemented multi-modal alerts including text-to-speech, vibration, and visual notifications for comprehensive accessibility

2. AI Voice Assistant for Mobile Automation

- Built a voice-activated assistant using Kotlin and TensorFlow Lite for on-device speech recognition and NLP
- Engineered Android system integration to execute voice commands and automate mobile tasks hands-free

3. Ola Bike Ride Forecast

- Designed ML model analyzing historical data, traffic patterns, and weather to forecast bike ride demand
- Created forecasting system optimizing resource allocation by predicting peak demand periods and geographical hotspots

4. Weather and AQI Forecasting System

- Developed Python ML system integrating weather APIs and sensor data for accurate environmental predictions
- Implemented data preprocessing and predictive modeling for reliable weather and air quality forecasting insights

EDUCATION

B. Tech - CAI | KIET | 2023 - 2026 | **CGPA: 8.17**

Diploma – ECE | Aditya Polytechnic College | 2020 – 2023 | **Percentage: 92%**

High School | Yoganand High School | **Percentage: 95%**

CERTIFICATIONS

- TensorFlow Developer Certificate - Google AI Platform
- AWS Cloud Practitioner - Amazon Web Services

ACHIEVEMENTS

- Bootcamp 3rd place in Frontend development.
- Hackathon Winner at KIET.
- Machine Learning Specialization (FMML) provided by IIIT HYD.