

Tetali Ram subba reddy

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[LinkedIn](#) | [GitHub](#)

Results-driven Machine Learning Engineer with 2+ years of experience in AI solutions for real-time monitoring, engagement analytics, and predictive modeling. Proficient in Python, TensorFlow, PyTorch, OpenVINO, and Computer Vision. Adept at optimizing AI models for high accuracy and performance.

Education

B.Tech, Sagi Ramakrishna Raju Engineering College | July 2018 - June 2022

Experience

Machine Learning Engineer | Transpoze.ai | Aug 2023 - Present

- Optimized face detection & recognition models using OpenVINO, achieving 4x speed-ups.
- Improved face recognition accuracy by 15-20% via frame-wise frontal face filtering.
- Built an EdTech pipeline integrating YOLO v8 and action recognition for classroom insights.
- Developed a "Reel Driver" to compile student activity snippets into highlight reels.
- Led "Comski" project—tracked posture & engagement using MediaPipe, built an Android app.

Data Scientist Trainee | Turing Minds.ai | Feb 2022 - April 2023

- Built predictive models for customer lifetime value & mortgage-backed securities.
- Worked on customer segmentation, retention prediction, and fraud detection.
- Completed a Data Science Trainee program at INSOFE, specializing in ML & Deep Learning.

Projects

Classroom Engagement Monitoring System ([GitHub](#))

- Integrated YOLO v8, OpenVINO-based face analysis, and ML for student behavior tracking.
- Enabled real-time analytics for educators to optimize teaching strategies.

Posture & Engagement Tracker

- Used MediaPipe to track eye contact, posture, gestures; built a Kotlin Android app.
- Developed a "Comski score" to evaluate student communication skills.

Achievements & Certifications

- **Ranked 35/1000** in Analytics Vidhya Hackathon.
- **Top performer** at Techno-colabs Software internship.
- **Post Graduate Program in Data Science** (Case Western University) [View](#).

Skills

- **Programming:** Python, Kotlin
- **AI & ML:** TensorFlow, PyTorch, OpenVINO, Transformers, NLP, Generative AI
- **Computer Vision:** OpenCV, Face Recognition, YOLO, RAG
- **Android Development:** Jetpack Compose, Android Studio
- **Deployment & DevOps:** Docker, GitHub