

# TAKESHWAR JANGITA

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## SUMMARY

Motivated AI enthusiast with hands-on experience in developing solutions like medical assistants and facial recognition systems. Skilled in delivering results under pressure, excelling in hackathons, and collaborating in team environments. Passionate about innovation and solving real-world problems through technology..

## EDUCATION

<b>ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, KADAPA</b>	<b>2022-2026</b>
B.Tech, CSE (Artificial Intelligence & Machine Learning).	CGPA: 8.18
<b>SRI CHAITANYA JUNIOR COLLEGE, KADAPA</b>	<b>2020-2022</b>
Mathematics Physics Chemistry (MPC)	CGPA: 6.25
<b>RAJA HIGH SCHOOL, RAJAMPET</b>	<b>2019-2020</b>
Secondary School Certificate (SSC)	GPA: 10

## SKILLS

**Programming:** Python, MySQL(basic)

**Tools:** Power BI, Tableau, MS Office, AI Tools

**Concepts:** Gen AI, Data Science, MERN (basic), Quantum Info Theory

## PROJECTS

### **REAL-TIME FACE RECOGNITION SYSTEM**

- Developed a real-time face recognition system using Python, OpenCV, and Haar Cascade classifiers.
- Achieved 92% accuracy across diverse lighting and environmental conditions.
- Implemented efficient image preprocessing and real-time video stream handling.

### **HEALTHMATE AI: TALK. UPLOAD. HEAL**

- Built a voice-interactive AI Doctor assistant using Python and Tkinter for UI development
- Integrated medical report analysis using OCR and symptom-based response generation.
- Designed for accessibility and ease of use, supporting users with minimal technical background.

### **BLINKCODE: A VISION-GUIDED MORSE COMMUNICATION SYSTEM**

- Engineered a real-time eye-tracking Morse code interpreter using Python, OpenCV, and MediaPipe for hands-free text input.
- Modularized application into separate components for maintainability and scalability.
- Designed a responsive Tkinter GUI to visualize decoded Morse code and live eye activity, enhancing user accessibility and feedback.

## ACHIEVEMENTS

- Published a research paper on "Machine Learning in Education" and secured 2nd prize at Samsleshana 2K25, AITK, Kadapa
- Secured 1st place in the AI Tools Hackathon at AITK by developing innovative projects including an AI Medical Assistant and a Facial Recognition-based Attendance System.
- Participated in various technical and non-technical events in college.

## CERTIFICATIONS

### **DATA SCIENCE INTERN (OPTIFYX TECHNOLOGIES)**

Completed the internship program over a two-month period, gaining practical experience in technologies like Python, Power Bi.

### **DATA ANALYTICS WITH TABLEAU INTERN (SMART INTERNZ, apsche)**

Completion of Data science course, learning various techniques in Tableau.

### **DATA ANALYTICS JOB SIMULATION BY FORAGE (DELOITTE AUSTRALIA)**

Gaining hands-on experience in data cleaning, data visualization, and business-driven analytics solutions.