

# NANDHINI PRAKASH

Chennai | 6380025060 | Email ID | GitHub Link | LinkedIn Link

AI and backend developer specializing in computer vision, LLM-based intelligent agents, and end-to-end automation systems. Demonstrated leadership and a strong track record of delivering deployable, real-world AI solutions with measurable impact.

## CLUBS & INTERNSHIPS

OCT 2024 PRESENT	<b>TECH BUDDY SPACE</b> TECHNICAL ASSOCIATE POSTER DESIGNER <ul style="list-style-type: none"><li>Worked on technical implementations &amp; poster designs.</li></ul>
MAR 2025 PRESENT	<b>DEVS CLUB REC</b> TECHNICAL ASSOCIATE <ul style="list-style-type: none"><li>Built certificate generator &amp; text recognition tools.</li></ul>
JUN 2025 JUL 2025	<b>BICS Global Ltd</b> INTERN <ul style="list-style-type: none"><li>Performed EDA &amp; FastAPI development.</li><li>Gained experience in teamwork &amp; professional communication.</li></ul>

## EDUCATION

2020 - 2021	<b>MAHARISHI VIDYA MANDIR, MANGADU</b> 10 <sup>th</sup> (SSC): 91.8 %
2022 - 2023	<b>MAHARISHI VIDYA MANDIR, MANGADU</b> 12 <sup>th</sup> (HSC): 92.8 %
Present	<b>RAJALASHMI ENGINEERING COLLEGE</b> CGPA: 8.61

## PROJECTS

### 1. Certificate Automation System

- Automated certificate generation using placeholder mapping and template saving.
- Tech Stack: React, FastAPI, REST API, Vercel, Render

### 2. Emotion & Face Detection System

- Real-time face and emotion recognition via webcam using CV models.
- Tech Stack: OpenCV, RetinaFace, YOLOv8, TensorFlow, FastAPI

### 3. Validly – Competitor Analysis Agent

- AI agent to crawl competitors, extract insights, and provide LLM-based analysis.
- Tech Stack: Meta LLM, Selenium, BeautifulSoup, Cloudscraper

### 4. AI Assistant for Visually Impaired Users

- Vision-based assistant that detects objects, traffic lights, and text, converting to speech output.
- Tech Stack: OpenCV, YOLOv8, CRAFT, PaddleOCR, Meta LLM, pyttsx3

## LEADERSHIP AND INVOLVEMENT

- Strong leadership & team collaboration in multiple technical clubs
- Effective communicator with project execution ownership

## ACHIEVEMENTS

- Selected for Smart India Hackathon (SIH) internal rounds in 2024 & 2025
- Runner-up in Kaggle competition
- Finalist at Spectrum Hackathon, VIT Chennai

## SKILLS

- Programming & Backend Development: FastAPI, REST APIs, Python, React
- AI & Machine Learning: LLMs (Meta), TensorFlow, YOLOv8, OpenCV, Computer Vision
- Tools & Platforms: Selenium, BeautifulSoup, Cloudscraper, Vercel, Render
- Soft Skills: Leadership, Team Management, Communication, Punctuality
- Languages: Tamil, English