

# NITHIN VADEKKAPAT

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## Skills

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**Technology:** Computer Vision, Signal Processing, Machine Learning, Deep Learning, Large Vision Models, Multimodal AI, Cloud Architecture, System Architecture, Edge Architecture

**Programming Languages:** Python, C, Julia

**Management:** Team Selection and Mentoring, Product Management

## Experience

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### Dhvani AI

2021 – Present

*Research Director*

*Chennai*

- A venture funded, IIT-Madras Research Park incubated startup is working in research and development of AI platform for Non Destructive Testing and Evaluation. As a research director my responsibilities include developing AI models for different domains like CT, X-ray, Ultrasound, Magnetic Particles and Machine Vision, architecting solution, team selection and mentoring

### Wobot Intelligence

*VP-Engineering*

*Delhi*

- A Sequoia funded start up in computer vision and video analytics for retail stores. As VP-Engineering, my responsibilities include developing cloud based AI pipeline, selection and evaluation of AI algorithms, overseeing data sampling and validation, team selection and mentoring

### Yantra AI

*CTO*

*Pune*

- A sister concern of Yantra Automation Pvt. Ltd., Yantra AI works in developing machine learning solutions for manufacturing. As a CTO my role was in developing an AI stack on an edge device for monitoring quality and safety, listen to customer requirements and solution architecture, team selection and mentoring

### Castalia Research Labs

*Co-Founder and CEO*

*Pune*

- A bootstrapped startup in Machine Vision founded in 2013. As CEO, my responsibilities were creating technology road-map, customer acquisition and go-to-market strategy along with team selection and mentoring

### Tata Elxsi

*Senior Engineer-ADAS*

*Trivandrum*

- As a senior engineer in Jaguar and Landrover ODC, my responsibilities include selection, prototyping and evaluation of algorithms for Lane Departure Warning, Traffic Sign Recognition and Pedestrian Detection

## Projects

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**VideoLLM** | *PyTorch*

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**Deflectometry** | *Python* [Git](#)

- Write about your work experience

**AI model for defect recognition from CT** | *Python*

- Write about your work experience

**AI model for defect recognition from X-ray** | *Python*

- Write about your work experience

**Project Title** | *Tool1, Tool2, Tool3, Tool4* [Git](#)

**Month – Month Year**

- Write about your work experience