

## Contact

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[github.com/nivesh48](https://github.com/nivesh48) (Other)  
[www.ieeeutp.org/](https://www.ieeeutp.org/) (Company)

## Top Skills

Control Engineering

Machine Vision

Machine Learning

## Certifications

Summer School on AI

Neural Networks and Deep Learning

FUNDAMENTALS OF  
ACCELERATED COMPUTING  
WITH CUDA C/C++

Mathematics for Machine Learning:  
Linear Algebra

3D Vision Summer School

# Nivesh Gadipudi

Computer Vision, and Deep Learning Engineer | Ex-Vimaan | Ex-TCS Research  
Andhra Pradesh, India

## Summary

I work on robotic perception algorithms. I am primarily interested in 3D reconstruction. My secondary interests are in research on algorithms those use information from scene for decision-making like segmentation, detection, and classification

A huge fan of the book “Multiple View Geometry in Computer Vision”

Areas of interest: Computer Vision, 3D Vision, Multi-view Geometry, Differential Geometry, and Deep Learning

Topics of interest: Robust Estimators, Feature Extraction and Matching, Visual Odometry, Visual SLAM, and Camera Pose Estimation

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## Experience

Trinity College Dublin

Postdoctoral Researcher

September 2023 - Present (1 month)

Dublin, County Dublin, Ireland

Vimaan

Computer Vision Engineer

January 2023 - August 2023 (8 months)

Bengaluru, Karnataka, India

Tata Consultancy Services

TCS Research - Research Internship

February 2022 - December 2022 (11 months)

India

IEEE Universiti Teknologi PETRONAS (UTP) Student Branch  
Chairperson  
February 2020 - January 2022 (2 years)  
Perak, Malaysia

Universiti Teknologi PETRONAS  
Research Intern  
February 2018 - September 2018 (8 months)  
Malaysia

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## Education

Universiti Teknologi PETRONAS  
Doctor of Philosophy - PhD, Electrical and Electronics Engineering · (April 2019 - April 2023)

Vellore Institute of Technology  
Master of Technology - MTech, Mechatronics · (2016 - 2018)

RMK ENGINEERING COLLEGE, CHENNAI  
Bachelor's degree, Mechanical Engineering · (2012 - 2016)