

# Gokul Karthik

gokulkarthik.com | mail@gokulkarthik.com | 📍 Abu Dhabi, UAE

## LINKS

LinkedIn:// gokulkarthik  
 GitHub:// gokulkarthik  
 Medium:// gokulkarthikk

## CERTIFICATIONS

### UDACITY

Computer Vision Nanodegree

### COURSERA

GANs Specialization  
 Futures Thinking Specialization  
 Deep Learning Specialization  
 Applied Data Science Specialization

### NPTEL

Social Networks Course

### DATA CAMP

Data Analyst Career Track

## SKILLS

### TECHNOLOGIES

•Data Science •Machine Learning  
 •Computer Vision •Text Mining

### PROGRAMMING

•Python •R • $\text{\LaTeX}$

### PLATFORMS

•GCP •AWS •MS Excel  
 •Tableau •QlikView

### SOFTWARE FRAMEWORKS

•Git •HTML •CSS •JS  
 •MySQL •Shiny •Android

## VOLUNTEERING

### ANNA UNIVERSITY, TCE

AI work group founder  
 ACM student chapter chair  
 National Service Scheme member  
 Rotaract Club member  
 Student representative  
 Placement representative

## EDUCATION

### MBZUAI | MSc IN COMPUTER VISION

2021/Aug - 2023/May

-CGPA: - / 4

-Member of SPRINT-AI Lab

#### Relevant Coursework:

•Human and Computer Vision •Machine Learning

### ANNA UNIVERSITY | BTech IN INFORMATION TECHNOLOGY

2015/Jul - 2019/May

-CGPA: 9.74 / 10 | Department Rank: #1 out of 130

-Awarded with Gold Medal of Excellence - Overall Best Outgoing Student

#### Relevant Coursework:

•Object Oriented Programming •Data Structures and Algorithms •Web Technologies  
 •Data Base Management System •Software Engineering •Big Data •Data Mining

📍 Abu Dhabi, UAE

📍 TCE, Madurai, India

## EXPERIENCE

### MBZUAI | RESEARCH ASSISTANT

2021/Jan - 2021/Jul

-Developed a double encoder architecture for unsupervised adversarial classification

📍 Abu Dhabi, UAE

### TCS RESEARCH & INNOVATION | MACHINE LEARNING DEVELOPER

2019/Apr - 2020/Nov

-Improved retail sales prediction using N-Gram models and Deep Neural Networks

-Implemented existing SOTA spatio-temporal travel time prediction models

-Developed intelligent employee profile retrieval system using text mining techniques

-Developed yield prediction model for hybrid corn crops

-Developed computer vision pipeline to solve curved text extraction

📍 Chennai, India

### IIT MADRAS / ONE FOURTH LABS | PROJECT INTERN

2018/Dec - 2019/Mar

-Developed robust scene text recognition architecture for Indian languages

-Implemented EAST for Indian signboard scene text detection

-Developed handwriting recognition system using CRNN

📍 Chennai, India

## MINI PROJECTS

### INDIAN SIGNBOARD TRANSLATION

DEEP LEARNING PROJECTS: STYLE TRANSFER, IMAGE SEGMENTATION ETC.

CRYPTOCURRENCY MARKET PREDICTION USING LST-NET

GITHUB SOCIAL NETWORK ANALYSIS

## HONORS

2021 Selected for the startup incubation program by khalifainnovation.ae  
 2020 Winner of Image Enrichment Challenge 2 by TCS  
 2019 Innovation Pride Award by TCS for winning the MFDI AI Hackathon  
 2019 Special Initiative Award by TCS for data driven solution to profile hunt  
 2019 Winner of IIT Madras AI Hackathon for safest route prediction system  
 2019 Gold Medal of Excellence for the best outgoing student of TCE  
 2018 Winner of Guvi-MithrAI-HCL AI Open Hackathon on text analytics  
 2017 All India rank 1 in the NPTEL course 'Social Networks'  
 2017 Top 8 in the MHRD Smart India Hackathon on smart evaluation