

# Gokul Karthik

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## LINKS

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

## CERTIFICATIONS

### UDACITY

Computer Vision Nanodegree

### COURSERA

Futures Thinking Specialisation  
 Deep Learning Specialisation  
 Applied Data Science Specialisation

### 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  
 IT Association Member

## EDUCATION

### ANNA UNIVERSITY | BTECH IN INFORMATION TECHNOLOGY

Thiagarajar College of Engineering

📍 Madurai, IN | Jul'15 - May'19

Awarded Gold Medal of Excellence - Overall Best Outgoing Student

CGPA: 9.74 / 10.0 | Department Rank: #1

## EXPERIENCE

### TCS RESEARCH & INNOVATION | MACHINE LEARNING DEVELOPER

Mentors: **Dr. Avinash Achar**, **Dr. Girish Palshikar**

📍 Chennai, IN | Apr'19 - Present

Academic Collaborator: **Dr. Balaraman Ravindran**

-Improving 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

### IIT MADRAS / ONE FOURTH LABS / AI4BHARAT | PROJECT INTERN

Mentors: **Dr. Pratyush Kumar**, **Dr. Mitesh Khapra**

📍 Chennai, IN | Dec'18 - Mar'19

-Implemented EAST for Indian signboard scene text detection  
 -Developed handwriting recognition system using CRNN  
 -Set up programming competitions for the PadhAI Deep Learning course

### IIT MADRAS | SUMMER RESEARCH FELLOW

Mentor: **Dr. Harish Guruprasad**

📍 Chennai, IN | Jun'18 - Jul'18

-Experimented Attention models' impact on neural networks

### NPTEL | TEACHING ASSISTANT

Social Networks Course

📍 Online | Dec'17 - Mar'18

### IIT ROPAR | DATA SCIENCE RESEARCH INTERN

Mentor: **Dr. Sudarshan Iyengar**

📍 Ropar, IN | Dec'17 - Jan'18

-Analyzed GitHub users' role and behaviour in building repositories

## HOBBY PROJECTS

INDIAN SIGNBOARD TRANSLATION

DEEP LEARNING PROJECTS: STYLE TRANSFER, IMAGE SEGMENTATION ETC.

CRYPTOCURRENCY MARKET PREDICTION USING LST-NET

QUALITATIVE RECOMMENDATION ENGINE

TWITTER ANALYTICS DASHBOARD OF TOPICS

GITHUB SOCIAL NETWORK ANALYSIS

## HONORS

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 Mentor of HCL Madurai Hackathon  
 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