

Gokul Karthik Kumar

gokulkarthik.com • gokulkarthikk@gmail.com • [GitHub://gokulkarthik](https://github.com/gokulkarthik) • [Abu Dhabi, UAE](#)

SKILLS

TECHNOLOGIES

- Deep Learning • Computer Vision
- NLP • Speech Processing
- Data Science

PROGRAMMING

- Python • C++ • R • MySQL • \LaTeX

PYTHON PACKAGES

- PyTorch • Hugging Face • Keras
- TensorFlow • Scikit-Learn
- OpenCV • NLTK • NetworkX
- Numpy • Pandas • Matplotlib

PLATFORMS

- GCP • AWS • MS Excel • Tableau
- QlikView

SOFTWARE FRAMEWORKS

- Git • Streamlit • FastAPI • Flask
- HTML • CSS • JS • Shiny • Android

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

MINI PROJECTS

- Standard Deep Learning Projects
- Cryptocurrency Market Prediction
- GitHub Social Network Analysis

LINKEDIN



EDUCATION

MBZUAI | MSc IN COMPUTER VISION

2021/Aug - 2023/May (Expected)

– Current CGPA: 3.9 / 4

- Machine Learning • Computer Vision • Geometry for Computer Vision
- Visual Object Detection and Recognition • Trustworthy AI

[Abu Dhabi, UAE](#)

ANNA UNIVERSITY | BTech IN INFORMATION TECHNOLOGY

2015/Jul - 2019/May

– CGPA: 9.74 / 10 | Department Rank: 1 / 130 | Thiagarajar College of Engineering

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

[Madurai, India](#)

EXPERIENCE

MICROSOFT RESEARCH | MACHINE LEARNING RESEARCH INTERN

2022/Jun - 2022/Aug

– Experimented acoustic models and vocoders for Text-To-Speech in Indian languages

[Bengaluru, India](#)

MBZUAI | MACHINE LEARNING RESEARCH ASSISTANT

2021/Jan - 2021/Jul

– Developed DoENet using VAE and GAN for unsupervised adversarial attack classification

[Abu Dhabi, UAE](#)

TCS RESEARCH | 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

[Chennai, India](#)

IIT MADRAS | MACHINE LEARNING PROJECT INTERN

2018/Dec - 2019/Mar

– Developed scene text detection and recognition models for Indian languages

[Chennai, India](#)

HONORS

2021 **Winning Team** in the ADAFSA agrithon for visual plant disease diagnosis etc.

2021 **Finished second** in the GITEX x AI-everything High Flyer challenge

2021 **Selected** for the tech startup incubation program by Khalifa Innovation Center

2020 **Innovation Pride Award** by TCS for winning the Image Enrichment Challenge 2

2019 **Winner** of TCS DDS ML Hackathon for the corn-hybrid recommendation system

2019 **Special Initiative Award** by TCS for the data driven solution to profile hunt

2019 **Winner** of IIT Madras AI Hackathon out of 500+ teams for safe route prediction

2019 **Gold Medal of Excellence** for the best outgoing student of TCE out of 1000+

2018 **Winner** of Guvi-HCL AI Hackathon for the qualitative recommendation app

2017 **All India rank 1** in the NPTEL course ‘Social Networks’

PUBLICATIONS

Hate-CLIPper: Multimodal Hateful Meme Classification with CLIP features

2022 EMNLP Workshop; First Author

MuCoT: Multilingual Contrastive Training in Low-resource Languages

2022 ACL Workshop; First Author

Self-supervised Learning Approaches For Object Detection With Transformers

2022 ArXiv; First Author

Method And System For Forecasting Sales Based On N-Gram Model

2021 US Patent; First inventor

Dynamic Bus Arrival Time Prediction: A Temporal Difference Learning Approach

2020 IJCNN; Third Author