Gokul Karthik

mail@gokulkarthik.com • gokulkarthik.com • GitHub://GokulKarthik • ⚲ Abu Dhabi, UAE

SKILLS

TECHNOLOGIES
•Deep Learning •Computer Vision
•Text Mining •Data Science

PROGRAMMING
•Python •C++ •R •MySQL •LATEX

PYTHON PACKAGES
•PyTorch •Keras •TensorFlow
•Scikit-Learn •OpenCV •NLTK
•NetworkX •Numpy •Pandas
•Matplotlib •Seaborn

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

DATACAMP
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)   ⚲ Abu Dhabi, UAE
–CGPA: - / 4
•Human and Computer Vision •Machine Learning

ANNA UNIVERSITY | BTech in Information Technology
2015/Jul - 2019/May   ⚲ Madurai, India
–CGPA: 9.74 / 10 | Department Rank: 1 / 130 | Thiagarajar College of Engineering
–Awarded Gold Medal of Excellence (Best Outgoing Student) out of 1000+ students
•Object Oriented Programming •Data Structures and Algorithms •Web Technologies
•Data Base Management System •Software Engineering •Big Data •Data Mining

EXPERIENCE

MBZUAI | Computer Vision Research Assistant
2021/Jan - 2021/Jul   ⚲ Abu Dhabi, UAE
–Developed a double encoder architecture using Variational Autoencoders and GANs for unsupervised adversarial classification

TCS RESEARCH & INNOVATION | Machine Learning Developer
2019/Apr - 2020/Nov   ⚲ Chennai, India
–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

IIT MADRAS / ONE FOURTH LABS | Deep Learning Project Intern
2018/Dec - 2019/Mar   ⚲ Chennai, India
–Developed robust scene text recognition architecture for Indian languages
–Implemented EAST for Indian signboard scene text detection
–Developed handwriting recognition system using CRNN for answer-script evaluation

PUBLICATIONS

Method And System For Forecasting Sales Based On N-Gram Model
2020 Indian Patent Application: E-1/52276/2020-MUM; First Inventor

Dynamic Bus Arrival Time Prediction: A Temporal Difference Learning Approach
2020 IJCNN - IEEE WCCI; Third Author

HONORS

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'
2017 Top 8 in the MHRD Smart India Hackathon out of Top 50 on smart evaluation