Gokul Karthik

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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
•Indian Signboard Translation
•Deep Learning Projects: Style
Transfer, Image Segmentation etc.
•Cryptocurrency Market Prediction
using LST-Net
•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　　　　　　　　◉ TCE, Madurai, India
−CGPA: 9.74 / 10 | Department Rank: #1 out of 130
−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 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

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　Innovation Pride Award　by TCS for winning the MFDM AI Hackathon
2019　Special Initiative Award　by TCS for the data driven solution to profile hunt
2019　Winning Team Lead　of IIT Madras AI Hackathon 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