NIKHIL KASHYAP SHANKAR

Machine Learning R&D Engineer

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PROFILE

Machine Learning Engineer with 3 years of work experience. Expertise includes researching and implementing custom statistical and deep learning pipelines to solve specific business problems. Skilled in Machine Learning, Statistics, Problem Solving, and Programming.

EDUCATION

NIE Institute of Technology, Computer Science & Engineering — Bachelor of Engineering (2018)

EXPERIENCE

R&D Engineer, Smart Sentry AI, Bangalore: Dec 2020 - Present

Optimized the inference time of the existing object detection model by 3x times. Proposed newer and better techniques/models for object detection. Proposed best coding practices. Researched and implemented a Face Recognition pipeline for CCTV cameras with small, blurry, and partially occluded images. Face Detection outperforms Amazon Rekogition by 10% and Face Verification by 8%.

Freelance Data Scientist, Mysuru: Feb 2020 - Nov 2020

Presented free webinars(https://www.youtube.com/watch?v=ha5TjeTXwr8.) in diverse topics under Machine Learning. Designed a Data Science curriculum, '11 projects to Data Science', for beginners on Github. (https://github.com/NikhilSKashyap/11-Projects-to-DataScience)

Machine Learning Engineer-2, Mysuru Consulting Group, Mysuru: Feb 2018–Jan 2020

Donned the hat of various roles, including Data Scientist, Machine Learning Engineer, DevOps Engineer, Technical Architect, Project Lead, Frontend Developer, during multiple projects. Built customized statistical and deep learning models for the clients. Documented the process and code through UML diagrams. Architected and spearheaded the server-side development process of Vishwakarma, a pip installable package for visualizing high-quality, journal-standard images. (https://pypi.org/project/vishwakarma/)

Data Analytics for Managerial Applications in R, Remote Internship: Dec 2017

Interned under Prof.Sameer Mathur, IIM Lucknow. Solved 3 Harvard Business Case Studies during the internship.

SKILLS

Programming Languages	Python, C, C++
Data Storage Platforms and Database Management Systems	MySQL, Postgres, MongoDB
Big Data tools	PySpark, Kafka
Editors and Notebooks & Visualisation tools	Vim, Emacs, Atom, VS Code, Jupyter Notebook, PyCharm
Cloud Platforms	GCP, AWS
Resource Management tools	Docker, Kubernetes
Machine Learning and Deep Learning Frameworks	Scikit Learn, Tensorflow, Keras, Pytorch
CI/CD	Git, CircleCI
Web Deployment and APIs	Flask, Django, Streamlit