

SYED NAUYAN RASHID

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Tech Lead (AI & ML) having experience exceeding 6 years in helping International Clients, Government Agencies, and Startups by building Scalable AI pipelines. Core expertise is in Computer Vision, Deep Learning, and MLOps tools for building Scalable Machine Learning or Artificial Intelligence Pipelines. Also pursuing Ph.D. with research focused on Giga-Pixel Biomedical Imaging and Cancer Diagnosis.

Deep Learning | Computer Vision | Machine Learning | Data Science | Machine Learning Ops PROFESSIONAL EXPERIENCE

RedBuffer

December 2020 to Present

Tech Lead (Machine Learning)

- Orchestrated Multi-Node, Multi-GPU training pipeline for training 5 Billion Image Dataset using AWS SageMaker
- Built and Orchestrated a highly scalable Cloud Cost Anomaly Detection pipeline for Yotascale
- Built Computer Vision based Safety App for Oil Drilling Ship using Video Streams that raise real-time alerts
- Developed Property Detection System for Automation of Property Tax Collection
- Developed Baseball Card Matching and Meta-Data Extraction Pipeline
- Developed Mobile Activity Classification Pipeline for Multiple Apps using Video Streams
- Developed POC for Detection of Money Laundering using Transactions Data

NUST-SEECs

September 2019 to Present

Doctoral Researcher

- Developed Semantic Segmentation Pipeline for Detection of Cellular Communities (MoNuSeg, HuBMAP Dataset)
- Developed Nuclei Instance Segmentation Pipeline for Detection of Cellular Communities (CPM15, CPM17, CoNSeP, PanNuke, Lizard Dataset)

Esper Solutions

May 2019 to November 2020

Machine Learning Engineer

- Developed Automatic License Plate Recognition and Detection
- Developed Vehicle Counting and Recognition System Using Security Cameras
- Developed Reconstruction of Damaged Images using InPainting Models for Android Devices
- Developed Face Detection and Recognition Application for Web (Django)
- Developed Image Super-Resolution Android Application
- Developed Appearance Swapper Application Using Liquid Warping

Information-Architects

August 2017 to May 2019

BI Analyst/Data Scientist

- Developed BI Dashboards for POF Using OBIEE.
- Developed ETL Pipeline for gathering page Insights for social media handles of DigiSkills.pk.
- Developed a Predictive Model for Student Selection Criteria for DigiSkills.pk.
- Developed Benchmark Evaluation System for POF.
- Developed BI dashboards using PowerBI and Reports Using SSRS for DigiSkills.pk.
- Developed Monitoring and Evaluation System for DigiSkills.pk.

TECHNICAL SKILLS

Languages: 1) **Top 3 Languages:** Python, Java, C++

2) **Others:** PHP, R, SQL, Bash/Shell Scripting, C, C#

Platform/Tools: Tensorflow, Keras, Pytorch, OpenCV, Scikit-Image, Scikit-Learn, Docker, AWS SageMaker, AWS EMR, AWS S3, AWS ML Stack, GCP ML Stack, Azure ML Stack, Docker, Apache Spark, Kubeflow, Kubernetes, Power BI, Git, Jira

Operating Systems: Linux, macOS, and Windows

Database Systems: MySQL, Microsoft SQL Server, Oracle Database, T-SQL, Snowflake, BigQuery

Design: Visio, UML

EDUCATION AND PROFESSIONAL DEVELOPMENT

PH.D., NUST-SEECs,

Master of Science, NUCES-FAST,

Bachelor of Science, NUCES-FAST,

Deep Learning Specialization, Data Science Foundations - Level 1, Data Science Foundations - Level 2, Introduction to Computer Vision with Watson and OpenCV, Introduction to TensorFlow, How Google does Machine Learning, MCSA: SQL 2016 Business Intelligence Development - Certified 2018, Exam 768: Developing SQL Data Models, Exam 767: Implementing a Data Warehouse,