SYED NAUYAN RASHID

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Machine Learning Engineer

A versatile and technically skilled business savvy professional with a career reflecting strong leadership qualification coupled with very broad "hands-on" technology experience. This includes over five years with various firms implementing, administering, and maintaining various technology platforms.

Deep Learning | Computer Vision | Bio-Medical Imaging | Machine Learning | Data Science | Data Warehousing | ETL | Business Intelligence | Application Development

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PROFESSIONAL EXPERIENCE

RedBuffer   **December 2020 to Present**
Machine Learning Engineer
- 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 OBIEEE.
- 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, CUDA, cuDNN PIL, AWS, GCP, Azure, , Docker, Matlab, Apache Spark, BIGDL, Power BI, SSAS, SSRS, ODI, OBIEE, LaTeX, ADS, Git, Mantis Bug Tracker, Asana, ClickUp.
Operating Systems: Windows (7/8/10), Windows Server (2008/2012/2016/R1/R2), Linux (Ubuntu, Redhat, Fedora, OEL6/7, Centos)
Database Systems: MS Access, MySQL, SQL Server, Oracle 11g/12c, SQLite
Design: Visio, UML

EDUCATON AND PROFESSIONAL DEVELOPMENT

PHD, 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,