



MAQSOOD SHAH

Team Lead



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F-11, Islamabad, Pakistan

Summary

- 3.5 years of experience in software development with Masters Degree CS.
- Strong experience with Linux environment, Windows, macOS, github, Python 3, Python Libraries (Keras, Tensorflow, Tensorflow-gpu, Django, opencv), Django, TFS, Confluence
- Product deployment on Linux server, Kubernetes, Cloud Computing, bash scripts, VPS cloud management, deployment and maintenance (Vultr, Linode, Cloudsigma, Digitalocean, ArubaCloud), Docker, Containers , Swagger UI.
- VPS cloud servers automation using Python and bash scripts.
- Project management, Scheduling, TFS, Confluence.

Skills

Anaconda3 | Artificial Intelligence | Balsamiq Wireframes | Cloud Computing | deep learning | Django | Docker | HTML 5 | Linux | Mac OSX | Machine Learning | Microsoft Office | MS Visual Studio | MySQL | Nginx | OpenCV | Python | Swagger

Experience

May 2019 - Present



Team Lead

Northcloud Co., (SMC-pvt) Ltd, Islamabad, Pakistan

- Minimal SiteDB objects recognition Fire Monitoring and Alarm System
- Smart Irrigation System for efficient use of water resources.
- Deep Learning pre-trained models for objects recognition Object Recognition Models Optimization Problems Deep Learning with Python, Anaconda 3 IDE.
- Python Libraries (Keras, Tensorflow, Tensorflow-gpu, Django) CPU, GPU hardware platform Automation of a cloud server platform.
- Lead to Android VPN app development team and vpn automation project.
- VPN cloud servers monitoring, maintenance and deployment (Vultr, cloudsigma, digitalocean and linode) Linux, windows, macOS, python 3.7, python libraries for deep learning, Django, TFS, Confluence.
- Product deployment on Linux server, Docker, Swagger, bash scripts, team lead AI projects

Jan 2018 - Nov 2018

Software / Research Engineer

eveati (pvt) Ltd, Islamabad, Pakistan

- Python, Laravel, Php, Mysql, CSS, HTML, Machine Learning Artificial Intelligence Deep Learning Projects.
- Intelligent irrigation system, regression analysis of crops using ANN,SVM, MLR
- Paraphrasing app to rewrite content (NLP, Python)
- Solar Panel system management and power prediction(PHP, Laravel, MySQL,Python)
- Employee management system (Laravel , MySQL)
- Deep learning research papers implementation (Python, Matlab)
- Health chatbot (Php,Laravel,HTMLJavascript,Python).

Sep 2014 - Mar 2017

Research Assistant

JINAGSU KEY LAB, Nanjing, China

- Two Research Publication and a thesis in Machine Learning, AI and Deep Learning.
- Large datasets analysis
- Anaconda IDE, Python, and Deep learning Libraries.
- Research, design, develop and deliver Machine Learning and Computer Vision algorithms.
- Writing algorithm functional specification documentation, developing prototypes and implementing them to achieve final results.
- Resolve Technical issues.
- Execution of tasks assigned by director, report to supervisor about progress and status.
- Experienced in:
- Strong analytical, mathematical and problem solving skills.
- Hands on experience programming in Python, Python Libraries for Deep Learning and Machine Learning.

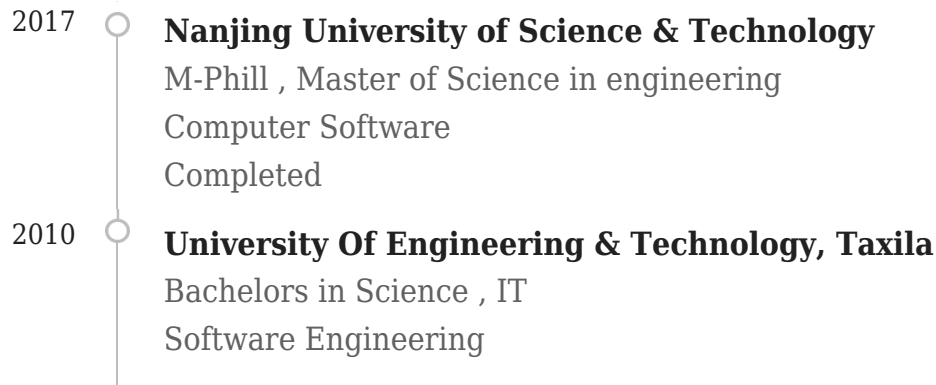
Feb 2011 - May 2013

Software Engineer

Generic Engineering, Islamabad, Pakistan

- Developed few desktop applications including inventory management system with database, hotel reservation and management with database and ERD diagrams.
- Security Company desktop application for Employee management with database.
- Software Requirement Specification Document.
- Visual Studio, Sql Server, Crystal Reports, C#
- Contribute to the development of C# desktop applications including; C# and SQLserver database.
- Create Entity Relationship (ER) Diagrams to the proposed database.
- Designed, architected, programmed WinForms, and Libraries.
- Experience in reports development using Crystal Report.
- Implemented enhancements and bug fixes.

Education



Projects

Object Recognition of indoor and outdoor devices

recognize objects indoor and outdoor using deep learning pre-trained object recognition models, python, python deep learning libraries tesnorflow, keras, gpu.

XPN Automation

automation of a xpn product using python, vps cloud computing, bash scripts and api's

Solar panel energy managment

Efficient use of Solar panel energy and monitoring. Billing of users. Manage the employees, managers, zones, users system.

Employee Management System

MVC .NET web development HTML CSS Javascript OOPs SQL server 2014

FingerPrint base Attendance

PersonaDigital fingerprint reader detection using C# employee attendance management reporting

Payslip Application

.NET Framwork desktop application telerik UI for Winforms Crystal reports

Smart Irrigation System using WSN

datasets generation using irrigation models. regression analysis. ANN, DT, MLR algorithms.

Indoor Segmentation Using Deep Learning

Indoor science classification, segmentation, object detection using CNN, deep learning algorithms performance checking for indoor classification.

Object-base Analysis Of Hyperspectral Data

Data collection, feature extraction, classification of data, segmentation of high resolution data , finding the results for performance checking of machine learning algorithms, paper writing.

Postman Problem

Finding the shortest path, traveling banks man problem solving using artificial intelligence algorithm.

Face Detection

Object detection, face detection, recognition of person using machine learning algorithms, computer vision techniques.

Assignment Checking App

Reading urls, refine valid invalid urls,count the valid invalid urls, accept reject final assignment, marking.

Security Company Database

Employee bio data, wages, leaves management, etc

Mobile Directory

Employee bio data, searching, adding and updating employee bio data.

Inventory Management System

DB modeling, use cases, DBDesign, win forms for records entry, bank details, items details etc

Online Mobile Manager And Position Navigation

Symbian mobile applications for call logs, messages and user location.

Languages

Urdu Expert	English Expert	Cantonese Intermediate
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