Syed Shariq Ali

Senior Software Engineer

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Summary

Holding excellent knowledge in the field of web development and machine learning specializing in computer vision, seeking to continue my professionalism, where my dedication, expertise and talent will definitely bring the organization creating a sharper edge within the industry

Skills

AI | Angular | Artificial Intelligence | Artificial Neural Networks | Bootstrap | C | C++ | Codeigniter | Core PHP | CorePHP | CSS | CSS3 | CUDA | GITHUB | HTML | HTML C | HTML5 | Java | JavaScript | JQuery | JQuery UI | Knowledge of Software= | Laravel | Machine Learning | Matlab | ML | MySQL | NLP | NodeJs | OOP | PHP | Python | Python Framework | PyTorch | Query Language | Software Development Tools | Software Engineering | SQLite | Teaching As Lecturer | Typescript | Vue.JS | Windows

Experience

Aug 2016 - Present

Senior Software Engineer
Punjab Information Technology Board, Lahore, Pakistan

Feb 2016 - Jul 2016

Web Developer
Dynamic Logix, Lahore, Pakistan

Education

2020

Bahria University
Masters in Science
Computer Science
CGPA: 3.3/4

2016

COMSATS Institute of Information Technology
BCS/BS , BS (Hon's) in Computer Science
Java Enterprise Programming, Database Management System, Computer Networks and Communication
CGPA: 3.4/4

Projects

PHED Complaints System

- Designed Dashboards and reports including charts of the application
- Integrated multiple type of charts according to report requirements

Prisons Management Information System (PMIS)

- Developed Prison Enrollment using automated finger/palm identification system
- Developed Inventory System for different sub departments of Punjab Prisons

Punjab Seed Corporation Inventory System

- Developed Inventory System for seed corporation
- It covers complete seed processing procedure
- Reporting and Logs are maintained
- API's developed to get real-time vehicle weight from weighing bridge
- Integrated third party software application with this application

Image Segmentation (Deep Learning)

- Used deep learning and Convolutional Neural Networks for Object Detection Problem on Images
- Framework Used: Pytorch
- Tools Used: OpenCV, Scripy, CUDA, tensorboardX. Dataset: Pascal VOC, CitySpaces, Camvid
- Network Implemented: FCN, U-Net, Segnet

Object Detection (Deep Learning)

- Used deep learning and Convolutional Neural Networks for Object Detection Problem on Images
- Framework Used: Pytorch
- Tools Used: OpenCV, NVIDIA CUDA Toolkit, NVIDIA DIGITS. Dataset: Pascal VOC, CIFAR-10

SFA SAAS (Sales Force Automation - Software As A Service)

- Provides a single location for a company to manage and track all sales interactions between their sales teams and customers.
- Development of Rest APIS in Laravel – Passport Authentication
- Complete advanced search mechanism
- Complete Data Import mechanism

Finn Restaurant

- An integrated Web App for Restaurants
- Campaign, Offers, And Deals
- Social Logins
- Payment Integration

The Brax

- Designed complete website for pictures voting
- Integrated Facebook, Google and Twitter API for login

Rapid Bulk SMS

- SMS gateway for campaigns and sending messages
- Develop system from scratch
- Customer Profiling
- Complete SMS Balance History
- Integrated SMS APIS for sending messages

Agriculture Subsidy Automation System

- Developed an automated subsidy system for Agriculture department to facilitate farmers by subsidy disbursement directly to their mobile accounts
- Integration of payment methods with Telenor and Jazz
- Development of SOAP API's, Web services and Cron Jobs

Bulldozer Booking and Tracking System

- Developed an IoT based application for tracking and maintaining bulldozers of agriculturedepartment
- Working on new modules of the system
- Adding new requirements in system according to client's demand
- Integrating Bulldozer Trackers with web application to monitor bulldozer activities online
- Geo fencing bulldozer location according to its allocation area
- Tracking bulldozers if they go outside the geo fenced boundary

Human Resource Information Management System (HRIMS)

- Designed database schema of HRIMS
- ER and Data Flow Diagrams

- Created complete authentication management
- Developed APIs for Mobile APPMultiple modules development including Employee management, Recruitment, Leave management, Jobs/Interview, Admin, Finance

Languages

Urdu
Expert

English
Expert