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Highlights

5+ years of experience with US based companies in software development with Agile and continuous integration/continuous delivery practices. A go to person in team to implement new and cutting-edge product development

Education

Master of Science in **Computer Science** Graduation: Dec 2018
University of North Carolina at Charlotte, NC, USA

- Specialization in Visualization and Visual Communication with GPA 3.9

Skills

Languages: C#, C++, Java, Python, JavaScript, Swift 4.0

Tools: Unity 3D, Blender, AutoCAD, OpenGL, OpenCV, Android Studio, Eclipse, Xamarin, MATLAB 7.7, XCode, Vuforia, AR Core, AR Kit

Web Technologies: .NET MVC, SQL Server 2012 MVVM, Bootstrap, CSS, NodeJS, MongoDB, ExpressJS, AngularJS, HTML5, JQuery, AWS, WCF, Entity framework

Experience

Intern May 2018 – Dec 2018

MicroD Inc

Augmented Reality Development in 3D team

- Developing an Augmented Reality application for iOS/ Android/ MagicLeap
- Rendering 3D objects through C#, .NET and web service integration
- Compared different technologies available for augmented reality like Vuforia, ARCore, ARKit
- Implemented MVC framework for Unity3D
- Implemented continuous integration continuous delivery through Jenkins saving deployment time

Graduate Assistant Feb 2018- Aug 2018

University of North Carolina at Charlotte

Augmented Reality Development

- Displaying demographic Data using mobile and HoloLens
- Developing a mobile application for Augmented Reality using Vuforia
- Android and iOS mobile app development and deployment for project.
- Exhibited the project in Urban Planning Symposium and OpenStreets704 events

Graduate Assistant Feb 2018- March 2018

University of North Carolina at Charlotte

Full Stack Web application development

- Deploying a NodeJS server on a Linux system for Authentication page
- Developing an WSO2 Authentication for role-based authentication

Senior System Engineer Aug 2013 – June 2017

Infosys Limited, Pune, India

Business/Supplier Portal: Web application for fortune 100 company, Arthrex

- Maintained and upgraded web application using .NET MVC4, jQuery, WCF, Entity framework and SQL Server.
- Designed UI for the application using Knockout JS and Bootstrap library.
- Developed POC mobile applications using Xamarin / PhoneGap for client which were highly appreciated.
- Performed various code optimization tasks and load testing.
- Drafted POCs for various clients for website development HTML5, jQuery to client which were highly appreciated.
- Generated Monthly and Weekly status report for team in the Agile development model.
- Trained in mobile app development using Xamarin, Angular Js and PhoneGap.

Technical Projects

Mobile Application Development

Aug 2017- Present

University of North Carolina at Charlotte, NC

- Developed full stack application using NodeJs, ExpressJS, MongoDB and MySQL with mobile app as front-end
- UI and Web application development for various apps.
- Integration of Google Maps/ Firebase Realtime Database/ Firebase Authentications APIs

Visualization of Layout of a floor for Emergency Rescue Purposes

Aug 2017- Dec 2018

University of North Carolina at Charlotte, NC

- Visualized a floor layout using Holo-lens
- Implemented Unity Networking for connecting two holo-lenses with server
- Visualized shortest available path to the rescue personnel through graphics aid.
- Developed Augmented Reality environment using Vuforia.

An automation system to sort threaded and unthreaded nuts using Image Processing

July 2012- June 2013

Abhijay Group of industries

- Installed a machine vision system at the end of manufacturing line .
- Sorted the correct and incorrect parts using image processing algorithm
- Reduced human introduced counting errors and increased efficiency by 300%.
- Developed the system using Beagle-Bone hardware and OpenCV for image processing.
- Designed system's body and holder on manufacturing line using CATIA.

Simulation of Dynamic Channel Allocation (DCA) using interference aware algorithm

March 2011 - May 2012

Bharti Airtel pvt. Ltd.

- Performed thorough survey of existing methods of communication channel allocation in telecommunication industry.
- Researched for one of the better approaches available.
- Simulated a scenario for getting statistical outputs of implementation of the Dynamic Channel Allocation.
- Brief introduction about GSM architecture Experience in MATLAB programming and simulation of a communication scenario.

Vehicle Communicator and speed monitor

July 2009 - Dec 2009

Smt Kashibai Navale College of Engineering.

- A solution to control Rash driving specially teenagers/youngsters.
- Developed wireless device which can monitor vehicle speed and sends SMS to the concerned person, if defined (safe) speed exceeds.
- Further enhancement on the device which will make it capable to send vehicle information (viz. Registration no. /Owner's name & address) to nearby police station.
- Establish serial communication between Microcontroller (8051) and GSM module through RS232 serial interface.

Achievements

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| • Wolfram Award in Hackathon at Duke University | 2018 |
| • Project got Exhibited at Urban Planning Symposium and OpenStreets704 events | 2018 |
| • Awarded Star performer in year for project work | 2013 |