Ankit Kelkar

9543 University Terrace Drive, Apt H, Charlotte, NC   **|**   Email: akelkar3@uncc.edu   **|**   Phone:+1980-430-9833
Website: ankitkelkar.com   **|** LinkedIn: www.linkedin.com/in/AnkitKelkar **|**   Github: https://github.com/akelkar3

Highlights

5+ years of experience in software development with Agile and continuous integration continuous delivery practices. A go to person in team to implement new and cutting-edge technologies for Proof of Concepts

Education

Master of Science in **Computer Science**   Graduation: Dec 2018
University of North Carolina at Charlotte, NC, USA
- Pursuing Specialization in Visualization with GPA 4.0

Skills

Languages: **C#,** C++, Java, Python, JavaScript, Swift 4.0
Tools: Visual Studio, Unity 3D, OpenGL, OpenCV, Android Studio, Eclipse, Xamarin, MATLAB 7.7, XCode, Vuforia, AR Core, AR Kit, AWS
Web Technologies: .NET MVC, SQL Server 2012 MVVM, Bootstrap, CSS, NodeJS, MongoDB, ExpressJS, AngularJS, MySQL, HTML5, JavaScript, jQuery, D3.JS

Experience

Intern   May 2018 - present
MicroD Inc
Augmented Reality Development in 3D team
- Developing an Augmented Reality application for iOS/ Android/ MagicLeap
- Rendering 3D objects through C# 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
- 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 Sales Team
- Maintained and upgraded web application using .NET MVC4, jQuery, Entity framework and SQL Server.
- Designed UI for the application using Knockout JS and Bootstrap library.
- Developed reporting for the web application for the users.
- Performed various code optimization tasks and load testing.
- Drafted proof of concepts for various suggestion for website development to client which were highly appreciated.
- Generated Monthly and Weekly status report for team in the Agile development model.
- Trained in Responsive mobile app development using 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

- 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