

Ankit Kelkar

Master of Science in **Computer Science**

University of North Carolina at Charlotte, Charlotte, NC, USA

GPA 4.0

Graduating Dec 2018

akelkar3@uncc.edu

+1 980-430-9833

<https://webpages.uncc.edu/akelkar3>

www.linkedin.com/in/AnkitKelkar

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

Skills

Languages:	C#, C++, Java, Python
Tools	Visual Studio, Unity 3D, OpenGL, SQL Server 2012, Android Studio, Eclipse, Xamarin, MATLAB 7.7
Web Technologies	.NET MVC, HTML5, Java Script, knockout Js, JQuery, Bootstrap CSS NodeJS, MySQL, Angular 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
- Implemented MVC framework for Unity3D
- Implemented continuous integration continuous delivery through Jenkins

Graduate Assistant

Feb 2018- Aug 2018

University of North Carolina at Charlotte

Augmented Reality Development

- Displaying demographic Data using mobile and Hololense
- 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
- Developin 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.

P.T.O

Technical Projects

Mobile Application Development

Aug 2017- Present

University of North Carolina at Charlotte, NC

- Developed full stack application using NodeJs 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.

Trainings

- Havard Manage Mentor's- Time Management, Making Business Plan, Change management.
- Embedded systems training by OASIS.
- Responsive mobile app development using Angular Js and Phonegap.
- Summer Training at Warade Automation Solutions and Pvt. Ltd.