

# SHAGUN PRAKASH HEGDE

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## EDUCATION

**Syracuse University, Syracuse**  
MS in Computer Engineering

*Expected May 2018*  
GPA: 3.4

**Jawaharlal Nehru Technological University, Hyderabad**  
B.Tech in Electronics and Instrumentation

*2011 - 2015*  
First Class with Distinction

## TECHNICAL SKILLS

<b>Languages</b>	Python , C++, C#, R, MATLAB, Swift, SQL
<b>Platforms &amp; Frameworks</b>	Git, AngularJS, TensorFlow, Keras, Weka, XCode, NumPy, SciPy, Pandas
<b>Web Technologies</b>	HTML, CSS, JavaScript, Bootstrap

## RELEVANT PROJECTS

### REMOTE CODE PUBLISHER

**C++, HTML, CSS, JavaScript, NoSQL**

- Wrote a program to publish code online and find dependency among files uploaded into the same repository.
- Designed a NoSQL database capable of timed data persistence, a type based analyzer capable of finding dependencies and analyzing both C# and C++ code, as a part of this program.
- Implemented this program with multiple local clients (built using managed C++/CLI),communicating with a server over a communication channel.

### TEST HARNESS

**C#, WCF, WPF**

- Built an implementation for accessing a remote Test Harness from multiple concurrent clients,using C#.
- Used Windows Communication Foundation for message passing between processes and the Windows Presentation Foundation was used for the UI.
- Wrote an Operational Concept Document, detailing the activities and various partitions of this system.

### KOBE BRYANT SHOT SELECTION

**Python, R**

- Performed visualization and applied predictors - Logistic Regression,Support Vector Model and Nearest Neighbors, on the Kobe Bryant Shots dataset, provided by Kaggle.
- Used R to build a Shiny Application for interactive visualization of the data.

### CONTINUOUS PHONE USER AUTHENTICATION

**Python, MATLAB, TensorFlow**

- Constructed a system for continuous user authentication using data from phone sensors-Accelerometer and TouchScreen.
- Carried out data cleaning,distribution tests,feature selection,feature normalization on the collected dataset and classification.

## WORK EXPERIENCE

**DAKSHA VENTURES,Bengaluru,India**

August 2015 - April 2016

- Worked with architects on multiple home automation projects, managing and interpreting customer requirements.
- Took charge of two home automation projects,co-ordinating the efforts of the entire team of electrical technicians and engineers.

## AWARDS AND LEADERSHIP POSITIONS

- **Grad Award(2016)** : Awarded a 30% tuition fee waiver for both years of graduate studies at Syracuse Univeristy .
- **EECS Representative(2016-2017)**: Headed the EECS branch of Graduate Student Organisation.
- **Editor, KMitra(2013-2015)**: Co-founded and edited Keshav Memorial Institute's first E-Magazine.
- **Best Game Design (2011)**: Awarded first place for a game designed during a university wide hackathon.