

# Bhaveek D. Desai

Seeking a full-time career in Software Development where my programming background will support problem solving

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## Education

### University of Florida

2015 - 2017

#### Master of Science

Computer Science

### University of Mumbai

2008 - 2012

#### Bachelor of Engineering

Information Technology

## Competencies

### Languages

Java, C++, Scala, Python, Golang, MATLAB, HTML, CSS, SQL

### Tools & Frameworks

Git, RESTful API, Linux LAMP, Balsamiq, Invision, Gimp

## Work experience

### University of Florida, Gainesville, FL, USA

May 2016 - Current

#### Graduate Student Assistant

- Developed multiple Brain-Computer Interface (BCI) projects utilizing open source libraries and socket programming
- Contributed source code, findings and experience to other teams and public
- Conducted user study to compare various pair programming platforms using behavior and sentiment analysis by means of affective computing
- Technology leveraged: Python, MATLAB, JUCE framework, Java, R, Affdex

### Infosys Limited, Bengaluru, India

April 2013 - July 2015

#### Systems Engineer

- Performed application development & maintenance responsibilities
- Formulated automation scripts for monitoring tasks thereby reducing manual intervention
- Performed Root Cause Analysis of failures to drive risk mitigation practices
- Introduced revisions to processes that improved team efficiency and overall productivity
- Technology leveraged: Java, Shell Scripts, Struts, SQL

## Projects

- **MuSense**: Brain sensing meditation app using **Python** and **MATLAB**
- **Facebook Graph API** adhering to the **RESTful API** framework with end-to-end encryption in **Scala** and **Spray** that could handle about 100 requests/sec
- **Beacon Tuner (Sponsored by Google's 2016 IoT Technology Research Award)**: An **Android** application utilizing the Eddystone Beacon technology for improved information discovery
- **Sensor Grid Networking Simulation** using **Gossip/Push-Sum** algorithm emulating over 1700 sensor nodes
- **ONE.UF**: Designed the notification module for University of Florida's student portal using **storyboarding**, **wireframes** and **prototypes**
- **OneJain**: A private ubiquitous Record Management System web app for a local NGO using **LAMP**