# Sai Ruthvik Thandayam(TSR)

**Eligible to work in the US | Open to relocation**

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## EXPERIENCE

**Cognitive Neuroscience Lab, BITS Pilani, India — *Research Assistant***

**MAY 2017 - FEB 2018**

**PROJECT:** Home Automation using BCI and AR

Developed a prototype of Multimodal Device control using EEG in a stimulated Augmented Reality Environment

**University of Rochester — *Remote Intern***

**SEP 2017 - DEC 2017**

**PROJECT:** Interaction with AR objects using Leap Motion

Developed a Marker-based AR Application using Vuforia SDK in Unity Editor for Android/iOS Platforms and Integrated Leap Motion in Mobiles using Server Client Approach

**ISEP, France — *Research Intern***

**JUL 2016 - DEC 2016**

**PROJECT:** Visible Light Communication(VLC)

Designed the VLC transmitter and Receiver in Eagle software and then printed it on PCB boards, Tested the VLC transmitter and receiver boards on ARDUINO, Beaglebone black Platforms

## PROJECTS

**Marker Based Augmented Reality Applications**

Developed AR Personal Resume Application, an AR version of Pokemon Battle and videoplayback AR applications in VR cardboard view

**Product Searching using Augmented Reality System**

Developed Mobile Augmented Reality Application for indoor navigation using NFC/QR Codes

**Wireless Heart rate sensor**

Designed and assembled the hardware of the prototype and established a wireless connection between Raspberry Pi and Android Application.

## INTERESTS

Augmented Reality, Virtual Reality, Game Development, Brain Computer Interfaces and Internet of Things

## SKILLS

**SOFTWARES**: Unity3d, Android Studio, XCode, Visual Studio, Adobe Photoshop, MATLAB, ARDUINO, Processing

**LANGUAGES**: C, C#, C++, Java, Python, HTML, CSS, JavaScript

## EDUCATION

**UC Santa Cruz**

*SEP 2018 - Present*

**MS in Games and Playable Media**

**BITS Pilani**

*AUG 2013 - AUG 2017*

**B.E.(Hons.) in Electronics and Instrumentation**

## PUBLICATIONS

EEG-based classification of bilingual unspoken speech using ANN

A Portable Real Time ECG Device for Arrhythmia Detection Using Raspberry Pi

## POSITION OF RESPONSIBILITY

**Teaching Assistant** for Software Development of Portable devices course