



EDUCATION

JOHNS HOPKINS UNIVERSITY

Baltimore, MD

2017-2019

Masters of Science and Engineering

Computer Science

Graduated with Thesis

VIT UNIVERSITY

India

2013 – 2017

B.Tech. Computer Science and Engineering

GPA: 3.90

EXPERIENCE

AVENDA HEALTH

Santa Monica, CA

2019 – 2021

Software Engineer - Full Stack

- Worked on shipping 2 products:
 - Software for 510k Cleared Med Device - System performs Lesion treatment using a Laser
 - Cloud Software as a Medical Device - Prostate lesion treatment planning system
- Technology Stack - REACTJS, SASS, GO, Python and AWS
- Experienced with development, documentation and testing within a highly regulated space

THERATAXIS

Baltimore, MD

JUN 2018 – AUG

2018

Software Engineering Intern

- Wrote a C# parsing library for the SDK of the Interson USB ultrasound probe

B3 INTELLIGENCE

Delhi, India

JUN 2016 – JUL 2016

Software Development Intern

- Used C# & python [Django] to develop multithreaded applications used by Big Data Analysts for cleaning raw data.

PROJECTS AND RESEARCH - [GITHUB.COM/LALBADSHAH/](https://github.com/Lalbadshah/)

- Masters Thesis
 - Used Microsoft HoloLens in conjunction with pupil tracking to produce 2D heatmap of user gaze – part of a medical training system
 - Used Microsoft HoloLens and pupil eye gaze tracking cameras to create a 3D gaze attention tracking experiment
- Real time Transcription of American Sign language using Machine Learning Techniques
- Rewriting and enhancement of the TCP/IP stack to add additional security features on top.
- Image Processing - Detecting tumors in MRI scans of brains using thresholding ACCEPTED in International Journal of Pharma & Bio Sciences

SKILLS

REACTJS, THREEJS, GO, AWS, CLOUDFORMATION, C, C++, C#, Unity, MATLAB, python WEB- Django, HTML CSS, PHP, JavaScript, JAVA, Arduino

