

# AAYUSH SHAH

## COMPUTER SCIENCE - Iowa State University

Innovation-driven software engineer, designer, and tech entrepreneur.

www.aayushah.com  
shahj.aayush@gmail.com  
linkedin.com/in/aayushShah1  
(515) 441 4982

## PL & TECHNOLOGIES

### Proficient :

JavaScript  
Java  
Python  
Swift / Objective-C

### Familiar :

C / C++  
Ruby & Rails  
R  
HTML / CSS

### Technologies :

MEAN / React / Docker  
SQL / PostgreSQL / MongoDB  
AWS  
Git / TFS / Azure  
IntelliJ / Eclipse / VSCode / XCode

## S.E. SKILL & PRACTICES

Solutions Engineering, Testing and Optimization.

SDLC Strategy, Planning & Leadership.

Object Oriented Programming,  
Functional Programming,  
Research & Customer Focused Dev.

## CAMPUS INVOLVEMENT

### Robot Assisted Measurements

Student Research Assistant  
Professor: Dr. Joshua Peschel

### MLH Local Hack Day

Organizer

### Computational Thinking Lab

Instructor

### IEEE.Club

Web Chairman

## AWARDS

### MadHacks

Rocket League Smart Bot  
Wolfram Alpha Award

### HackISU

CareTaker  
Qualcomm IoT Winner

### Google Polymer

1<sup>st</sup> Place, Web Development

### National Tech. Symposium

3<sup>rd</sup> Place, Smart City Project

### Guajrat Tech. University

14<sup>th</sup> Rank, C.E. State level.

## LANGUAGES

English Hindi Gujarati

## EDUCATION

Iowa State University | Ames, IA

**B.S. Computer Science**, 2017- 2019

Honors: Dean's List 2017-2019

GPA: 3.41

Gujarat Technological University | India

**Diploma Computer Engineering**, 2013- 2016

Honors: 14th rank state level

GPA: 3.92

## PROFESSIONAL CAREER HIGHLIGHTS

Wellmark Blue Cross Blue Shield

**IT Sloution Developer** | Jun 2019 - Present

- Developed Software-as-a-Service lib for developers to securely and automatically connect with AWS every 12 hours, which saved 1 hour per development team per day.
- Built end-to-end JavaScript lib to dynamically pull cert / key from AWS to production APIs.
- Optimized & added several new core features in Wellmark's agent facing web application.

**JavaScript / MEAN Stack Developer Intern** | May 2018 - Aug 2018

- Automated generation and population of data for testing for the agent facing team.
- Evolve POC to generate future test beds to support strategic investments.
- Assisted data lineage visualization for constantly updating scripts in Production using C# and Informatica.

College Of Engineering | Aug 2017 - Dec 2019

**Web Administrator**

- Designed and developed automated Check-In / Check-Out instrument rental system with hardware support to maintain Civil Department Labs.
- Created several websites based on departmental needs.
- Helped create standardized UX for Iowa State web-pages.

Computer Science Department

**Academic Tutor** | Aug 2018 - Dec 2019

Courses: CS 331, CS 321, CS 230, CS 281

- Com S 331 - Algorithms, Com S 321 - Computer Architecture and Machine-Level programming.
- Com S 230 - Discrete Computational Structures, Com S 281 - Digital Logic.

**Teaching Assistant** | Aug 2017 - Dec 2017

Course: CS 113 Microsoft Office Suite

- Assisted students during office hours and web portal.
- Examined and approved homework assignments and examinations.
- Follow all instructions and time management duties.

ResearchIT | Jan 2018 - May 2018

**Software Developer**

- Provided IT support specifically tailored to the needs of researchers at the University.
- Compile and distribute commonly used research software packages.
- Build websites and tools for many labs and departments across campus.

## PROJECTS

**Epi Predictor**

- Epileptic Seizure Alert System. Predictive using ML EEG Models. Development phase.

**OneRemote** (Pitched - team of 5)

- A touch screen remote that changes based on the device you point it to.
- Computer Vision, Machine Learning, TBD.

**AR Sudoku Solver** iOS 11 (Ongoing)

- Hover on top of a unsolved Sudoku to see the answer.
- ARkit, pre-trained Mnist Model, Recursive Algorithm, CoreML.

**Care Taker** Health IoT Web App

- Did you forgot to take your medication ? CareTaker helps patients keep their medical routine intact, while providing alert and statistics to doctors.
- Angular5, Node, Python, Parallel Simulation, QUALCOMM's Dragonboard 410c. Course Management Portal Basic LMS