

AAYUSH SHAH

COMPUTER SCIENCE - Iowa State University

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

PL & TECHNOLOGIES

Proficient :

JavaScript
Python
Java
Swift iOS

Familiar :

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

Technologies :

ME(A)N / Docker / Dynatrace
SQL / PostgreSQL / MongoDB
AWS / Firebase
Git / Azure / TFS
IntelliJ / Eclipse / VSCode / XCode

S.E. SKILL & PRACTICES

Solutions Engineering, Testing and Optimization.

SDLC Strategy, Customer Centric Planning, Leadership and PM.

Object Oriented Programming, Functional Programming, and Research.

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

1st Place, Web Development

National Tech. Symposium

3rd Place, Smart City Project

Gujarat Tech. University

14th Rank, C.E. National.

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 | GJ, India
A.S Computer Engineering, 2013- 2016
Honors: 14th rank state level
GPA: 3.92

PROFESSIONAL CAREER HIGHLIGHTS

Wellmark BlueCross BlueShield - **Software Engineer** Jan 2021 - Present

- Developed a Software-as-a-Service library to securely and automatically connect with AWS every 12 hours, saving 1 hour per development team per day.
- Led a team of 10-members to re-build Wellmark's yearly Products & Rates integration for it's agent facing system called BlueSource. Reducing sprints to an hour every year.

Wellmark BlueCross BlueShield - **Associate Software Engineer** Jun 2019 - Jan 2021

- Built a node lib to dynamically pull cert/key from AWS KMS to APIs in production. Enhancing security and code reusability.
- Performed Strategic analysis and adopted agile scrum methodology to carry out daily internal meetings, planning, refinement, and retrospection with shareholders.
- Automated business reports, log management, and failure handling system, resulting in reducing Incident time management by 70%. With daily and monthly batch runs.

Wellmark BlueCross BlueShield - **Intern Software Engineer** May 2018 - Aug 2018

- Built a new tool for QA testers to generate and populate data for testing endpoints across all envs, resulting in a ~91% increase in stability and coverage of newly built features.
- Developed a dashboard in C# and Informatica to visualize, manage and update pricing data for performance adjustments.
- Strategized a POC to generate future testbeds and ideas to support strategic investments.

College Of Engineering - **Web Administrator** Aug 2017 - Dec 2019

- Designed and built an inventory infrastructure to automate the instrument rental system for Civil Engineering Labs. Generating a maintenance cash-flow.
- Assisted ISU designers for constructing a standardized UX for Iowa State University.
- Developed several websites based on departmental needs.

Department Of Computer Science - **Teaching Assistant** Aug 2018 - Jun 2019

- CS 113XW Microsoft Suite, CS 331 - Algorithms, CS 321 - Computer Architecture.
- CS 230 - Discrete Computational Structures, CS 281 - Digital Logic.
- Assisted Professor & helped students demonstrate critical thinking & problem-solving experience by applying Agile Framework and Principles as they engage in bigger projects.
- Utilized bash, C, Java and GitLab to QA projects and develop a custom testing framework that will test method declarations. Created guided lesson plans for after hours.

ResearchIT - **Software Engineer** Jan 2018 - May 2018

- Collaborated with researchers in LAS and CALS to turn their datasets and analysis pipelines into unique web-based services.
- Partnered with 50+ colleges to provide technical support specifically tailored to the needs of researchers at the Iowa State.
- Maintained and distributed large software systems used by over 1500+ faculty and students.

PROJECTS

Epi Predictor

- Built an MVP to predict epileptic seizures and alert users using ML EEG Models and Muse headband technology.

HikreSchool.com

- Built a EdTech platform to teach - UI/UX design, iOS app development, and startup creation through close-collaboration and hands-on learning.

Hikre Ride

- Reverse-engineered Uber's ride sharing API to build an iOS app for long-distance student travel for Iowa State University.

OneRemote

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

AR Sudoku

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