

Sushyl Katta

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EDUCATION

University of Illinois at Urbana-Champaign

AUGUST 2017 - PRESENT

B.S in Computer Engineering- Class of 2021

EXPERIENCE

Spina Analytica, San Francisco, CA — *Software Intern*

MAY 2020 - PRESENT (AUGUST 2020)

- Worked on the end to end code for the POC for an AI model that is meant to diagnose spinal complications.
- Labeled MRIs and used those labels as masks for the model to train in order to be able to diagnose conditions like Stenosis.
- Ran the end to end code and analyzed results and reported back what needed to be improved as well as any issues that arise.
- Trained models to allow for correct recognition of the various parts of the spine with computer vision.

Publicis Sapient, Chicago, IL — *Jr. Associate Engineer*

JULY 2019 - AUGUST 2019

- Designed an AWS AppSync API utilizing GraphQL to allow for faster data retrieval to improve loading times.
- Learned AWS AppSync and related AWS applications on the fly and was able to produce a capability that Publicis Sapient will be moving forward with.
- Created a prototype implementation for facial recognition for an internal project, along with high definition wireframes.

Cloudely, Sunnyvale, CA — *QA Intern*

APRIL 2016 - AUGUST 2016

- Spearheaded QA testing for a new commercial product to be ready for customer-facing Salesforce production environment.
- Certified in Salesforce Administration as a necessity of role.

PROJECTS

Frogger Revised

JANUARY 2016 - MARCH 2016

- Designed multi-platform video game inspired by Frogger/Crossy Road utilizing a Java Swing library.
- Implemented with clear Model-View-Controller (MVC) framework with great readability and scalability.
- Tested vigorously to run pretty smoothly even with limited knowledge of data structures at the time of development.

RELATED COURSEWORK

Data Structures (CS 225)

Computer Systems
Engineering (ECE 391)

Algorithms (CS 347)

Digital Systems Laboratory
(ECE 385)

Computer Organization and
Design (ECE 411 - Spring
2020)

Applied Parallel Programming
(ECE 408 - Spring 2020)

SKILLS/TECHNOLOGY

LANGUAGES:

C++/C

Java

Python

X86

System Verilog

CUDA

OTHER SKILLS:

Google Cloud

AWS AppSync/DynamoDB/
Lambda

Jira

Tensorflow

Keras