

# URMIL SANTOSH SHAH

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## EDUCATION

**University of Southern California, Los Angeles, CA**

**Aug 2019–May 2021**

Master of Science in Computer Science, GPA: 3.74

**Pune Institute of Computer Technology, Pune, India**

**Jun 2015–May 2019**

Bachelor of engineering - Computer Engineering, CGPA: 8.95/10, Distinction.

## SKILLS

- **Languages:** HTML, CSS, AngularJS, React.js, Bootstrap, JavaScript, Node.js, R, Python, C, C++, Java
- **Technologies:** Spark, Flask, GCP, AWS, Azure, RESTful APIs, SQL, Git

## WORK EXPERIENCE

**Alteara Inc - Software Engineering Intern - Los Angeles**

**Jul 2020-Oct 2020**

- Create an application by deploying React.js for front-end, and Node.js and MySQL at backend, in a team of 5 people to launch an Internet-based spy-themed game hosted using AWS EC2 and RDS.
- Lead Backend engineer; responsible for handling the backend server and database creation.

**Persistent Systems - Undergraduate Final Year Project Intern – India**

**Jun 2018-May 2019**

- Led a team of 3 people to develop project titled, ‘Medical Image Analysis using Deep Learning’
- Developed a Flask application to classify and detect lymphoma cancer, pneumonia and lung tumour affected regions in a slide image of a patient to save at least \$270; improved diagnosis speed by at least 30 minutes.
- Awarded first position in INC 2019 (a National-level final year project competition).

## PROJECTS

**Hybrid Recommendation System based on Yelp data using PySpark**

**Jan 2020-Mar 2020**

- Developed a hybrid recommendation system using Python and Spark. Applied content-based and collaborative based filtering techniques on the Yelp data to obtain useful predictions.
- Stood 2<sup>nd</sup> in the Yelp Data Mining competition, in a class of 140 students.

**E-commerce Shopping Website**

**May 2020-Jul 2020**

- Designed 2 variants, one using HTML, CSS and JavaScript for front-end and Python Flask as backend; Another variant with AngularJS, Bootstrap and Ajax as front-end and Express/Node.js at the backend.
- Built a responsive website, compatible with screens of all sizes and hosted it on both Azure and GCP.

**Predictive analysis of pharmaceutical equipment - Smart India Hackathon**

**Jan 2019-Mar 2019**

- Led a team of 6 people to build a system to find remaining useful life of a machine and to identify any malfunctions, if present; generated reports are used to show if any maintenance is needed.
- Used Python Flask to create a website to store and process in-coming data, using a Machine Learning model. Awarded first prize in the Hackathon contest and received \$700 for developing the solution.

**Android Messenger with inbuilt Chatbot**

**Jun 2018-Dec 2018**

- Coordinated implementation of a peer-to-peer chat application; providing facilities such as last-seen time, status of message delivered, status update and profile update by utilizing NoSQL database connectivity.
- It has an integrated chatbot; can also perform tasks based on commands, for example, open camera, set alarm, etc.

## RELEVANT COURSEWORK

Artificial Intelligence, Foundations & Applications of Data Mining, Analysis of Algorithms, Web Technologies

## LEADERSHIP AND INVOLVEMENT

- Course Producer at CSCI 360 (Introduction to Artificial Intelligence) at USC.
- Domain Director of Data Science in ACM Student Chapter in undergraduate college; coordinated and mentored a team of 10 people to conduct Data Science and ML workshops and seminars for students.