

# Kunj Shah

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## EDUCATION

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### California State University, Northridge

Masters of Science

- Major in Computer Science, Cumulative GPA: 3.9/4.0
- Relevant Coursework: Data Structures, Algorithms, Software Engineering; OS, Machine Learning

**Expected May 2023**

Los Angeles, CA

### MIT Art, Design and Technology School of Engineering

Bachelor in Computer Science

- Major in Computer Science, Cumulative GPA: 7.19/10.0

**Aug 2017 - Aug 2020**

Pune, MH, India

## EXPERIENCE

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### Expertrons

Software Developer

- Collaborated with a six-person team to develop a mobile app using React Native, Redux Saga, and Nodejs for the backend.
- Implemented video caching to reduce the application's load time by 10%. FFMPEG video compression was used, which resulted in a 50% reduction in transmission bandwidth.
- Worked with MongoDB indexing and aggregates, as well as writing scripts to automate activities.
- Actively involved with AWS setup and migration. Also setup an on-premises version of Sentry to track issues.

**Dec 2020 – May 2021**

Mumbai, India

### Geekwork

Backend Intern Mumbai, India

- Contributed to the development of AGV mobility and collision avoidance through working on ROS.
- Integrated APIs such as Onedrive, Google Drive, and Slack.
- Learned to get data and files via cloud APIs, process them with Tika, and then store them in Elastic Search.

**Dec 2019 – Mar 2020**

## PROJECTS

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### Sign Language Detection

- Developed a solution which eases communication with Deaf and Dumb by translating hand sign language to text and speech. Mediapipe for pose and LSTM for ML model.

**Nov 2021**

### Swachh - AI enabled citizen grievance reporting system

- Application which enables user to report any grievance by clicking picture and system detects the issues using image classification and reports to nearby authority depending on users location.

**Sept 2020**

### Nibodh - Portal for searching schools

- Platform where parents can search best fit for their children. Implemented indexing for getting quick results while searching schools.

**May 2020**

### Automated Guided Vehicle

- Industrial Automated guided vehicle built on ROS and python for industrial operations. Gained knowledge about ROS fundamentals, publisher - subscriber model, sockets.

**Mar 2020**

### Billing Software

- Billing software that handles stock management, Bill generation, CRM, adding products, taking backups, notifying for the overdue bills, giving statics, generation of bills, etc.

**Jul 2017**

## SKILLS

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- **Languages & Databases:** Python, Javascript | MongoDB, MySQL, SQLite
- **Web Frameworks & Libraries:** Nodejs, React, Redux Saga, Flask, Django, WebSockets, HTML5, CSS3, AJAX, jQuery.
- **Others:** Git, AWS (EC2, S3), Firebase, GCP, Postman, Jira, Sentry, Colab, FFMPEG, ROS

## EXTRACURRICULAR ACTIVITIES

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- **Achievements:** Winner HAB59 by MIT ADT, 1st runner up Codefest's Haxplore by IIT-BHU, 2nd runner up at AISSMS hackathon, 2nd runner up KJ Somaiya COE KJSCE Hack.
- **Open source Contribution:** **india-location-details** - NPM package to find details of Indian regions by Pincode, City, State.
- **Volunteer Work:** Organizer of Code Break 1.0, December 2019. Top 200 students competed. Student Organizer of all CSE-IT events held in Persona Fest 2019. Conducted workshop on web development for juniors at Thakur Polytechnic and Thadomal Shahani. Student Head of Sponsorship team for Persona Fest 2018.