

# Kunj Shah

CS Graduate Student  
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## EDUCATION

- **California State University, Northridge** Los Angeles, USA  
*Masters in Computer Science* Aug. 2021 - June 2023
- **MIT Art, Design and Technology School of Engineering** Pune, India  
*Bachelor in Computer Science; GPA: 7.19* Aug. 2017 - June 2020

## SKILLS

- **Language:** Python, Javascript, NodeJS
- **Working Platforms:** AWS (EC2, S3), Firebase, GCP, Github, Postman, Jira, Sentry, Colab
- **Databases:** MongoDB, MySQL, SQLite
- **Web Technologies:** HTML5, CSS3, AJAX, jQuery, React, Redux Saga, WebSockets
- **Frameworks & Libraries:** Flask, Django, React Native, ROS, FFMPEG (Image, Video, Audio manipulate)

## TECHNICAL EXPERIENCE

- **Software Developer - Expertrons [December, 2020 - May, 2021]**
  - Worked on Mobile Application using React Native, Redux Saga and Nodejs for backend.
  - Implemented video caching to decrease the load time of the application by 10%. Implemented video compression using FFMPEG which lowered transmission bandwidth by 50%.
  - Worked with MongoDB indexing and aggregates and made scripts for automating tasks.
  - Actively involved in setting up AWS and migration. Setup on-premise Sentry which helps tracking bugs.
- **Backend Intern - GeekWork [December, 2019 - March, 2020]**
  - Worked on ROS, Contributed in developing movement of AGV, collision avoidance.
  - Integrated API's such as Onedrive, Google Drive, Slack for client.
  - Learned fetching data and files from clouds API's, process it through Tika before storing it in Elastic Search.

## PROJECTS

- **Swachh - AI enabled citizen grievance reporting system [React Native, Flask, mongoDb, Fastai, HTML, Bootstrap and Javascript] (August, 2020 - Sept, 2020)** 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.
- **Nibodh - Portal for searching schools [Flask Micro-Framework, MongoDB Database] (March, 2020 - May, 2020)** Platform where parents can search best fit for their children. Implemented indexing for getting quick results while searching schools.
- **Automated Guided Vehicle [ROS, Flask Micro-Framework, MySQL Database] (January, 2020 - March 2020)** Industrial Automated guided vehicle built on ROS and python for industrial operations. Gained knowledge about ROS fundamentals, publisher - subscriber model, sockets.
- **Billing Software(GST) [PHP, MySQL Database] (March, 2016 - July, 2017).** Billing software that handles stock management, Bill generation, CRM, adding products, taking backups, notifying for the overdue bills, giving statics, generation of bills, etc.

## EXTRACURRICULAR ACTIVITIES

- **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**
- **Workshop :** Conducted workshop on web development for juniors at Thakur Polytechnic and Thadomal Shahani
- **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, Hosted on Devfolio, December 2019. Top 200 students competed.
- Student Organizer of all CSE-IT events held in Persona Fest 2019.
- Student Head of Sponsorship team for Persona Fest 2018.