

# Keshika Tank

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## EDUCATION

### University of Southern California

*Master's in Computer Science (GPA: 3.95/4)*

Los Angeles, CA

*Aug 2021 – May 2023*

### Vellore Institute of Technology

*Bachelor's in Computer Science (GPA: 9.58/10)*

Vellore, India

*Jul 2016 – Jun 2020*

## EXPERIENCE

### Software Engineer

*Crosstown LA*

July 2023 – Present

*Seattle, WA*

- Developed Rest APIs to visualize and drill down JSON data on map using MapBox, NodeJS and PostgreSQL, improving user engagement by 200%.
- Worked with multiple clients, to develop frontend features using React and Vue.

### Software Development Engineer Intern

*Amazon*

May 2022 – Aug 2022

*Austin, TX*

- Reduced manual test time by 50% by creating a UI test automation framework on Amazon's dev pipeline.
- Enhanced code quality and optimized automation scripts, resulting in a 22% increase in automation performance.
- Trained 20 Quality Assurance Engineers in writing test automation Python scripts using Amazon's Mozart framework.

### Associate Software Engineer

*Dure Technologies*

Jun 2020 – Jun 2021

*Mumbai, India*

- Developed the organization's key asset named iMonitor, used in 35+ countries for public health programs.
- Engineered AI health voice assistant for Dept. Of Health of Philippines, benefiting 40,000+ health workers and patients.
- Migrated application framework from JQuery to React & Redux, reducing response time by 15% and application size by 40%.
- Implemented data fetching over APIs, reducing change management efforts by 50%.
- Pioneered the development, testing, and revamping of 10+ applications using scrum methodology.

### Software Engineer Intern

*Dure Technologies*

Dec 2019 – Jun 2020

*Mumbai, India*

- Automated AI image classification to filter out irrelevant files uploaded by users, reducing time and resource used in database management by 50%.
- Implemented a critical dashboard feature enabling patients to search for nearby healthcare facility on a map using Leaflet, GeoJSON, and QGIS.

### Amazon Campus Mentorship Intern

*Amazon*

Feb 2019 – Jul 2019

*Chennai, India*

- Innovated a model to classify text as author and title from Kindle book cover image using AWS and Python to significantly reduce manual efforts.
- Enhanced above model with sentiment analysis to decide genre and index author's Wikipedia for meta data.

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL (Postgres), JavaScript, HTML, CSS

**Frameworks/Libraries:** VueJS, ReactJS, Redux, NodeJS, jQuery, Material-UI, WordPress

**Developer Tools:** Git, Bitbucket, VS Code, Visual Studio, Android Studio, Eclipse, Unity