

# Kathan Sheth

+1(510)-674-3774 | [Email](#) | [LinkedIn](#) | [Personal Website](#)

## EDUCATION

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### University of Wisconsin - Madison

*Bachelor of Science in Computer Science*

Madison, WI

May '25

Theoretical Computer Science: Algorithms, Data Structures & Algorithms, Building User Interfaces, Discrete Mathematics, Introduction to Artificial Intelligence, Databases Technology, Calculus, Linear Algebra

## EXPERIENCE

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### Honeywell

*Software Engineer Intern*

Pittsburgh, PA

May 2023 — August 2023

- Immensely assisted with prototyping an organic Web-App platform solution utilizing Azure, HTML/CSS, and JavaScript, which provided human support to warehouse robotic operations for **20+** major customer sites.
- Spearheaded the use of Microsoft Power Apps with Typescript for integration with Honeywell R&D's depalletizing assistance software.
- Met higher customer satisfaction standards by generated 5 vital additional data pertaining to system performance utilizing PLC with Docker and the codebase in C++ to improve the quality of KPI files.
- Developed and resolved 50 crucial unit tests using Jira XRay to improve the functionality of the robotics software.

### Amelia

*Software Developer Intern*

Los Angeles, CA

May 2021 — August 2021

- Significantly contributed to the transition of the pre-existing application development of a Cross-Platform version in Flutter, speeding up company's overall development and deployment process by over 50%.
- Drastically improved the User Interface with Figma to ensure better user experience for clients on iOS and Android in 10+ countries internationally, creating appeal for several major clients.
- Utilized MongoDB, Postman, and internal APIs with the application to make a seamless integration with the Frontend.
- Integrated Firebase Authentication and Firestore to formulate a sophisticated authentication flow with SSO for a facilitated experience.

## PROJECTS

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### Revonew | *React Native, Google Cloud, Dialogflow, Postman, OAuth, Figma*

- Developed a personalized virtual financial advisor powered with Artificial Intelligence on a cross-platform mobile application built with React Native.
- Developed an NLP-powered chatbot using Dialogflow paired with advanced computational algorithms to provide customized financial advise targeted towards young adults new to finance management.
- Utilized OAuth with Google Cloud and Firestore with the Frontend for a flawless authentication process.

### Brace Forecast (2nd Place DefHacks Global) | *Flutter, Google Cloud, Tensorflow, Flask, REST API*

- Engineered a cross-platform application that can determine if the user needs braces by developing the User Interface with Flutter and the Back-end with Flask.
- Utilized Flask to build a REST API with the Sequential Neural Network model applied on an image for braces treatment prediction.
- Hosted the sequential neural network model via Flask and integrated it with the Flutter application, allowing users with braces evaluation from a single photo.

## SKILLS AND LANGUAGES

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**Programming Languages:** Java, Python, C++, JavaScript, HTML, CSS, SQL

**Frameworks:** Flutter, React Native, ReactJS, NodeJS, Flask

**Tools:** Google Cloud, MongoDB, Docker, Postman, Dialogflow, Jira, Git, Azure, Figma, Linux

**Languages:** English, Gujarati, Hindi, Spanish