

# KUSH VASHISTH

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## EDUCATION

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**University of Southern California**  
*Master's, Computer Science*

**Jan 2024 - Dec 2025**  
GPA: 3.78

**Gujarat Technological University**  
*Bachelor's, Computer Science*

**Jul 2019 - Jun 2023**  
GPA: 3.65

## SKILLS

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- **Languages:** JavaScript, TypeScript, Python, C/C++, SQL
- **Web/Backend:** Node.js, React.js, Next.js, Django, Express.js, Firebase, WebSockets, WebRTC
- **Tools:** Git, AWS, MongoDB, Linux/Unix, Postgres

## PROFESSIONAL EXPERIENCE

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### Sure Attend

**Los Angeles, CA, USA**

*Software Engineer Intern (Part-time)*

*Feb 2025 - Present*

- Developed backend APIs using Django to automate Zoom, Calendly, and PayPal integrations to automate meeting tracking and rewards
- Integrated and deployed an ML model predicting user attendance likelihood using calendar history and behavioral features
- Increased test coverage by 40% with pytest, reducing production bugs and regression cases

### University of Southern California

**Los Angeles, CA, USA**

*Teaching Assistant / Advanced Mobile Devices & Games (Part-time, Academic Role)*

*Jan 2025 - Present*

- Delivered technical lectures and guidance in a graduate-level game development course to 120+ students
- Held weekly code reviews to improve gameplay mechanics and performance and evaluated 15+ projects across development phases (Alpha to Gold)

### MBA & Beyond

**Singapore**

*Software Engineer Intern*

*Feb 2022 - Jun 2022*

- Built a workflow automation app in SailsJS, cutting manual email response times by 30%
- Refactored and maintained Squarespace site; added user tracking with analytics tools, increasing engagement time by ~20%
- Collaborated with design and content teams to improve UI consistency across mobile and desktop

## PROJECTS & OUTSIDE EXPERIENCE

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### Workly - [Link to project](#)

- Built using Next.js, Node.js, Firebase, WebSockets, and WebRTC
- Implemented live updates, task tracking, Pomodoro timer, and peer-to-peer video calls
- Deployed via Vercel; structured for remote team collaboration with real-time interaction

### MediHear – Real-Time Doctor-Patient Teleconsultation Platform

- Developed a full-stack teleconsultation system with Next.js, WebRTC, and Socket.IO with role-based authentication via Firebase
- Implemented live speech transcription using the Web Speech API and integrated a Flask-based NLP service to extract medical symptoms in real time
- Achieved ~300ms end-to-end latency for video + transcription in local test environments

### Technical Outreach – CampTech

- Led team of 9 to run monthly workshops on web/app dev, ML, and blockchain for 80+ students
- Designed technical curriculum and hands-on learning sessions