

# HRUSHIKESH VAIDYA

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## EDUCATION

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**University of Southern California**  
Master of Science, Computer Engineering

*August 2024 - May 2026*

## SKILLS

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**Areas of Expertise:** Fullstack Development, API Design, Client-Server Design, UI/UX Design  
**Technologies:** Django, Django REST Framework, Flutter, AWS

## EXPERIENCE

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### Wide Wings Media

July 2023 - July 2024

*Fullstack Developer, Freelance*

*Pune, India*

- Fully redesigned the existing website for [ticketkhidakee.com](https://ticketkhidakee.com), an online ticket-booking application
- Implemented a ticket booking system, user authentication system, marketing email-campaign manager, and event management admin backend
- Designed a robust cloud architecture for handling bursty traffic patterns, deployed on AWS resources
- Configured global CDN on AWS CloudFront and designed a fine-tuned caching policy to handle ~500,000 daily users

### Mastercard

May 2023 - July 2023

*Software Development Intern*

*Pune, India*

- Wrote a Java application to translate between protocol buffers and AVRO based schemas for event-driven applications
- Packaged the Java application as a JAR and hosted on mastercard's internal artifact repository
- Wrote documentation for the implemented API

## CO-CURRICULAR WORK

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### Django

- Contributed over 12 accepted pull requests adding patches, bug-fixes, and new feature additions to Django
- Submitted a GSoC 2022 proposal for adding rate-limiting to Django core and a second GSoC 2023 proposal to include CORS and CSP support in Django core

### COEP Webteam

- Maintained College of Engineering, Pune's college website and its on-prem servers
- Managed a Drupal-based CMS and coordinated with college clubs, faculty, and students to keep the website up to date

## PROJECTS

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### docxlatex

- Wrote a Python library to extract mathematical equations, text, and images from .docx files
- Included a conversion API for converting extracted equations into LaTeX
- Hosted on PYPI under the name docxlatex, with ~300 downloads a month

### MJXGUI

- Created an open source WYSIWYG equation editor for the web with a GUI for creating equations similar to Google Docs or Microsoft Word
- Wrote an API for conversion of created equation into LaTeX for convenient storage and/or rendering

### ClassBerg

- Built an online educational platform providing Indian private tutors with a student testing framework, question database, virtual classrooms, and student analytics
- Selected by College of Engineering, Pune's technology incubator - the BHAU Institute - for incubation