

HRUSHIKESH VAIDYA

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EDUCATION

University of Southern California

Master of Science, Computer Engineering

August 2024 - May 2026

GPA: 4.0

SKILLS

Tools: AWS, Google Cloud Platform, Docker, Git, Kubernetes, CI/CD
Technologies: Django, Django REST Framework, Flutter, Provider, MongoDB, PostgreSQL, Spring
Languages: Python, C/C++, JavaScript, Java, Dart
Coursework: Algorithms, Operating Systems, Computer Networks, Cloud Computing, Image Processing

EXPERIENCE

Wide Wings Media

Fullstack Developer

July 2023 - July 2024

Pune, India

- Fully redesigned the existing website for ticketkhidakee.com, leading to a ~30% increase in traffic
- 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

Software Development Intern

May 2023 - July 2023

Pune, India

- Wrote a Java application to translate between protocol buffers and AVRO based schemas for event-driven applications
- Facilitated communication between heterogeneous serialization formats between services, reducing the time taken for data transformation by ~50%

CO-CURRICULAR WORK

Adaptive Computing Experiences Lab

Research Assistant

October 2024 - Present

University of Southern California

- Worked under Prof. Souti Chattopadhyay as a Research Assistant at the Adaptive Computing Experiences Lab (ACE)
- Published a paper titled "SciSO: Mining Science in StackOverflow" in the Mining Software Repositories '25 Conference

Django

Contributor

August 2022 - Present

- Contributed over 15 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

PROJECTS

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](https://pypi.org/project/docxlatex/) under the name docxlatex, with ~1000 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