


TANVI DESHPANDE

 /tanvi-md

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 tanvi-md.github.io



PROFILE

Freshman at Stanford University studying computer science + machine learning.

EDUCATION

Stanford University

2022 - 2026

Irvington High School

2018 - 2022

- GPA: 4.0/4.0 (unweighted)
- Multivariable calculus (A)
- Linear algebra (A)

Stanford Online High School

2018 - 2020

- Data structures & algorithms (A)
- AP Computer Science (A)

Other

- Stanford Math Camp
 - Accepts 20 students/year
- Machine learning (Coursera)

SKILLS

- **Languages:** Python, Java, C++, MATLAB
- **Python libraries:** numpy, scipy, pandas, sk-learn
- **Machine learning:** TensorFlow, Pytorch, Keras
- Github, Google Colab, Unix

EXPERIENCE

Hateful Memes - Machine Learning Research

SEPT 2020 - DEC 2021

- Classified hateful memes using machine learning
- Published [first-author paper](#) with MIT Ph.D. student in ACM International Conference on Multimodal Interaction (2021)

USC Networked Systems Lab - Engineering Intern

JUNE 2021 - AUG 2021

- 3D machine learning for autonomous vehicles
- Used CARLA to automatically label data & replace human-annotated datasets (the current standard)

Art of Problem Solving - Problem Set Grader

JULY 2022 - PRESENT

- Provide guidance and feedback for advanced high schoolers taking proof-based math courses

KeepItFresh - Co-founder

SEPT 2020 - JUNE 2021

- Built AI-powered solution to commercial food waste
- Winner of General Motors' climate changemaking challenge; \$2,000 prize
- Top 8.5% of 900+ entries - Diamond Challenge

Students Against Period Poverty - Co-founder

MAY 2020 - JUNE 2022

- Founded nonprofit combatting period poverty and stigma, engaging 200+ volunteers
- Raised \$10k+ and donated 46k menstrual products

Euler Circle

SEPT 2022 - PRESENT

- Teaching assistant | Sept '22 - present
- Studied undergraduate-level mathematics with Dr. Simon Rubinstein-Salzedo | Apr '20 - June '22

Primeri - CEO/Co-founder

APR 2020 - JUNE 2022

- Free mathematics resources for K-12 students
- Ran AMC Bootcamp (35 paying attendees)
- 17k page views, 3.7k unique users