Satyajit Kumar

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High school student with a passion for AI and expanding the horizons of
Machine Learning

GitHub: ammesatyajit

Work Experience

Stanford University — Research
October 2021 to Present

Working with Dr. Ehsan Adeli from Stanford University, Dr. Hamid
Rezatofighi from Monash University, and Edward Vendrow from Stanford
University on socially and contextually aware human pose forecasting using Transformers.

Research Internship
Stanford Vision and Learning Lab
July 2019 to February 2021

Internship working with Dr. Ehsan Adeli and Prof. Fei-Fei Li on text to image synthesis using VQ-VAE (Vector Quantized Variational
Auto-Encoder) methods applied to Transformers. Also worked on reproducing the results of VideoBERT
for video prediction and text-to-video.

Education

Portola High School
August 2021 to June 2023

Saratoga High School
August 2019 to June 2021

Skills

• Invitational National Math competition, only the top 2.5% of entrants make it.
• Python
• Java
• Swift
• Javascript
• C++ Other: PyTorch
• Numpy

- Jupyter Notebook
- Tensorflow
- CUDA iOS Development Deep Learning services. AIME
- Git
- Machine Learning
- AI
- MySQL
- C/C++
- GitHub
- AWS
- Software Development
- R
- Data Science