

SKANDA VAIDYANATH

First year Master's Student, Computer Science

@ s vaidyan@stanford.edu

[skandavaidyanath.github.io](https://github.com/skandavaidyanath)

in [skanda-vaidyanath](#)

[skandavaidyanath](#)

EDUCATION

M.S. Computer Science A.I. Track

Stanford University

📅 Sep 2021 – Present

- CGPA: 4.07/4

B.E. (Hons.) Computer Science with a Minor in Data Science

BITS Pilani, Hyderabad Campus

📅 June 2016 – May 2020

- Class valedictorian.
- CGPA: 9.93/10, Major CGPA (only CS courses): 10.00/10

RECENT EXPERIENCE

Research Engineer Intern

Google DeepMind

📅 Jun 2022 – Sep 2022

📍 Mountain View, California

- Advised by Dr. Xinghua Lou and Dr. Dileep George
- Working on planning and reinforcement learning
- **Keywords:** Planning, reinforcement learning

Graduate Researcher

Stanford University

📅 Sep 2021 – Present

📍 Stanford, California

- Advised by Prof. Stefano Ermon and Prof. Dorsa Sadigh
- Worked on developing self-supervised models for satellite images and language-conditioned imitation learning
- Working on multi-agent reinforcement learning
- **Keywords:** Self-supervised learning, reinforcement learning, robotics

Research Intern

Microsoft Research

📅 Dec 2020 – July 2021

📍 Bangalore, India

- Advised by Dr. Sriram Rajamani
- Used program synthesis techniques to generate code from multi-modal user input using large language models like GPT-3
- **Keywords:** Program Synthesis, natural language processing

Research Intern

Max Planck Institute for Informatics

📅 Aug 2019 – May 2020

📍 Saarbrücken, Germany

- Advised by Dr. Andrew Yates and Dr. Paramita Mirza
- Worked on projects at the intersection of deep RL and information retrieval
- **Keywords:** Information retrieval, natural language processing, reinforcement learning

AWARDS, HONORS



BITS Hyderabad Merit Scholarship (for being in the top 1% of my graduating class every semester)



IUSSTF-Viterbi Scholar 2019 (one out of fifteen students chosen from India for the programme)



Max Planck Institute for Informatics 2019 Research Scholar Fellowship

PUBLICATIONS

- Divyansh Garg*, Skanda Vaidyanath*, Kuno Kim, Jiaming Song, Stefano Ermon. LISA: Learning Interporetable Skill Abstractions from Language. *NeurIPS 2022* [\[pdf\]](#)
- Naman Jain, Skanda Vaidyanath, Arun Iyer, Nagarajan Natarajan, Suresh Parthasarathy, Sriram Rajamani, Rahul Sharma. Jigsaw: Large Language Models meet Program Synthesis. *ICSE 2022* [\[pdf\]](#)[\[blog\]](#)
- Skanda Vaidyanath, Kallirroi Georgila, David Traum. Using Reinforcement Learning to Manage Communications Between Humans and Artificial Agents in an Evacuation Scenario. *Accepted at FLAIRS 2020 and presented at FLAIRS 2021. (Short Paper)* [\[pdf\]](#)[\[poster\]](#)[\[slides\]](#)

ACTIVITIES, INTERESTS

- Course Assistant, Deep Learning: CS230 Autumn 2022
- Course Assistant, Artificial Intelligence: CS221 Spring 2022
- Course Assistant, Reinforcement Learning: CS234 Winter 2022
- Research With Impact, SGSI 2021, Stanford University [\[link\]](#)
- Leadership Labs, SGSI 2020, Stanford University [\[link\]](#)

SKILLS

Python

C/C++

SQL

Java

Pytorch

Tensorflow

Git

COURSEWORK

Meta-Learning

Probabilistic Graphical Models

Reinforcement Learning

CV

Information Retrieval

NLP