SAAHIL JAIN

870 Creek Drive, Menlo Park, CA 94025 | Email: saahil.jain@stanford.edu | Mobile: 954-830-0061 | Github: saahil9jain

EDUCATION:

Stanford University, Stanford School of Engineering, Stanford, CA — September 2019 – Expected June 2021

- **GPA: 4.00/4.00, MS in Computer Science,** Specialization in Artificial Intelligence and Machine Learning
- Research: Graduate researcher in the Stanford Machine Learning Group under Professor Andrew Ng
- Teaching: Teaching assistant for CS229 (Machine Learning), CS372 (Artificial Intelligence for Disease Diagnosis)

Columbia University, School of Engineering and Applied Science, New York, NY — August 2014 - May 2018

- **GPA: 3.95/4.00, BS in Computer Science, Minor in Economics**
- Awards: Computer Science Excellency Award (top 35 CS students by GPA), Magna Cum Laude, Tau Beta Pi

EXPERIENCE:

Stanford Machine Learning Group, Prof. Andrew Ng, Stanford, CA | *Graduate Researcher* — January 2020 – Present

- Applying artificial intelligence to healthcare under Professor Andrew Ng as part of the Stanford ML Group.
- Developed a state-of-the-art natural language processing model to extract medical conditions from radiology reports. Co-first author on a paper (https://arxiv.org/abs/2004.09167) accepted to EMNLP 2020, a major natural language processing conference, for our work improving the label quality of publicly available chest x-ray datasets.
- Developed computer vision models to improve diagnosis of tuberculosis from large (>1 GB) whole slide images.
- Researching methods of reducing distribution shift in labels that hamper performance of chest x-ray imaging models.

Datavant, San Francisco, CA | *Software Engineering Intern* — June 2020 – August 2020

- Worked on building the core cloud offering for a rapidly growing healthcare startup aimed at eliminating silos of data that hold back medical research. Backed by Roivant Sciences, Softbank, and Founders Fund.
- Contributed to the entire stack by building a data pipeline to ingest healthcare datasets at scale with robust monitoring, conducting database migrations, and developing features on the React app.

Microsoft, Redmond, WA | *Program Manager* — August 2018 – September 2019

- Worked as a product manager on Office 365 cloud infrastructure, building software to intelligently coordinate datacenter operations to ensure the health of hundreds of thousands of machines in datacenters across the world.
- Promoted levels within 6 months for ramping up, delivering improvements, and leading biannual product planning.
- Drove product improvements to ensure 99.9X% hardware availability for Exchange Online, also known as Outlook.
- Incubated a new machine learning initiative to more intelligently detect hardware issues and recommend repair actions.

IBM Extreme Blue, Research Triangle Park, NC | *Research Intern* — May 2017 – August 2017

- As part of IBM's flagship Extreme Blue Technical Leadership Program (~40 selected from over 1000 applicants), designed a 'moonshot' research product that uses machine learning to extract business insights for IBM API Connect.
- Submitted 4 invention disclosures related to machine learning on API data.

Tatonetti Lab at Columbia Medical Center, New York, NY | *Undergraduate Researcher* — January 2017 – May 2017

- Researched database solutions for Biomedical Data Translator project (NIH) and data mining of FDA drug events.

Société Générale Corporate and Investment Bank, New York, NY | *Software Engineering Intern* — June 2016 – August 2016

- Automated quality assurance tests on the trading platform as part of interest rate swaps team in front office technology.

Wireless and Mobile Networking Lab, Columbia University | *Undergraduate Researcher* — September 2015 – June 2016

- Co-authored publication (https://dl.acm.org/doi/abs/10.1145/2994551.2996538) accepted to ACM SenSys'16, a sensor networks conference, based on research analyzing and visualizing a network of Internet-of-Things devices in real-time.

FEATURED INITIATIVES:

Inspirit AI, Stanford University | *Artificial Intelligence Instructor* — December 2019 - Present

- Teaching high schoolers (over 100 so far) about artificial intelligence with a team of Stanford graduate students.

CS229 (Machine Learning), CS372 (AI for Disease Diagnosis) | *Stanford Teaching Assistant* — March 2020 – Present

- Selected to help teach Professor Andrew Ng's classic machine learning course (over 500 students).
- Selected to help teach Professor Edward Chang's new graduate-level course focused on AI research in healthcare.

SKILLS:

Technical Skills: Python, Java, C, SQL, ML tools (PyTorch, TensorFlow), Cloud Computing (AWS, Azure, Google Cloud)