

Yash Savani

Mathematician, Innovator, and Entrepreneur

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Professional Statement

I am a mathematician, innovator, and entrepreneur with an unquenchable curiosity and a passion for learning. The pervasive patterns and puzzles of our universe fascinate me, and I strive to exercise my repertoire of math, computation, and collaboration skills to solve those puzzles that have the highest positive impact on the community.

Education

Stanford University Master of Science (M.S.), Statistics (GPA 3.77 / 4.00)
Sep 2013-Jun 2017 Bachelor of Science (B.S.), Computer Science (AI) (GPA 3.54 / 4.00)

Experience

Machine Learning Engineer **Primer Technologies, Inc. – San Francisco**
Aug 2017- Dec 2018 I worked on improving contemporary statistical learning and applied mathematical models for natural language domains. The machine intelligence algorithms I developed helped decipher global news data.

Research **Andrew Ng's Artificial Intelligence Lab – Stanford University**
Jul 2015-Sep 2015 I worked on a hybrid CNN and LSTM deep learning architecture for detection and semantic segmentation on complex images and videos with multiple stimuli.

Cofounder (CTO) **Ebotic – Palo Alto**
Jul 2014-Dec 2015 I worked with an international team to develop an intelligent drone platform that applied advanced flight technologies, SLAM, and deep learning systems for improved flight stability and awareness.

Research **Sebastian Thrun's Artificial Intelligence Lab – Stanford University**
Jun 2014-Aug 2014 I improved the performance of a boosted decision tree algorithm for smart home applications by added descriptors that incorporated thermal imaging data into the robotics ROS pipeline.

Cofounder **Farmcorder – Mumbai, Chennai**
Oct 2012-Apr 2015 We developed an inexpensive sensor module for impoverished and uneducated farmers in India that transmitted soil nutrient data to our servers via GSM. Based on processed results, the servers sent back intensive agricultural recommendations.

Skills

Computer Languages Python, C / C++, CUDA, Javascript, R, MATLAB, Haskell, LaTeX, SQL, NoSQL, HTML5 / CSS3

Frameworks / Tools Pytorch, TensorFlow, SpaCy, Nltk, AllenNLP, Jupyter, AWS, Docker, Git, OpenCV, ROS, React, Redux, Webpack, NodeJS, Flask, OpenGL, Blender, Photoshop, Figma

Human Languages English, Hindi, Gujarati, French

Other Interests Abstract Math (Real/Complex/Functional/Complexity Analysis, Groups & Rings, Topology, Incentive Theory), Statistical Theory, Computer Science, Economics, Psychology, Neuroscience, Biotechnology, Robotics, Photography / Cinematography, Scuba Diving, Fitness