

PURVA TENDULKAR

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EDUCATION

- Georgia Institute of Technology, Georgia, USA** Aug '18 - Present
M.S. in Computer Science; CGPA: **4.0/4.0**
- College of Engineering, Pune, Maharashtra, India** July '14 - July '18
B.Tech. in Computer Engineering; CGPA: **9.14/10**

PROJECTS - VISION & LANGUAGE

- Theme-based Word Doodling** Aug '18 - ongoing
Research Project under [Devi Parikh](#) Assistant Professor, Georgia Tech
- Developing a creative AI-based model for generating doodles of an input word, given a theme.
- Punny Captions** July '18
- Implemented (in Python) the NAACL '18 paper [Punny Captions : Witty Wordplay in Image Descriptions](#) which generates punny captions for a boring image.
- Blind Image Dehazing** January '18 - May '18
- Implemented (in Python) the ICCP '16 paper [Blind Image Dehazing Using Internal Patch Recurrence](#). Achieved approximately **20x better** speed for optimization in PyTorch as compared to the original MATLAB implementation.

EXPERIENCE

- Nanyang Technological University** May '17 - August '17
Visiting Researcher under [Arvind Easwaran](#) and [Anupam Chattopadhyay](#) Singapore
- Studied and modeled some well-known attacks on existing Cyber Physical Systems (CPSs).
- Indian Institute of Technology, Bombay** May '16 - July '16
Summer intern under [Varsha Apte](#) Mumbai, India
- Worked on EvalPro, a Django webapp being used in the CSE Department of IIT Bombay for handling computer related assignments, tests, submissions and automated evaluation.

TECHNICAL SKILLS

- Strong** - C/C++, Python (with PyTorch, TensorFlow, Django & BeautifulSoup), JavaScript
- Familiar** - MATLAB, PHP, MySQL
- Tools** - Git, Phabricator, GDB (Debugger), \LaTeX

RELEVANT COURSES

- Computer Science** - Machine Learning, Deep Learning, Natural Language Processing
- Mathematics** - Bayesian Statistics¹, Linear Algebra, Ordinary Differential, Univariate & Multi-variable Calculus, Partial Differential Equations, Experimental Designs and Data Analysis.

SCHOLASTIC ACHIEVEMENTS

- Recipient of the [Pratibha Eaton Excellence Award](#) for presenting innovative solutions using Augmented and Virtual reality for Eaton power plants (January 2017).
- Recipient of the prestigious [Maharashtra Talent Search](#) scholarship.

¹courses taken in Spring 2019