

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Master of Science in Computer Science Aug. 2017 – Present
- **JSS Academy of Technical Education** Noida, India
Bachelor of Engineering in Computer Science and Engineering; Aggregate: 78% with Hons. Aug. 2012 – June. 2016

EXPERIENCE

- **CloudCV** Atlanta, GA
Team Lead Jun. 2016 - Present
Actively maintain CloudCV Project which aims to make AI research more reproducible. Responsible for the design, development and maintenance of projects like Origami, EvalAI and Fabrik that enable researchers to build, compare and share start-of-the-algorithms.
- **Google Summer of Code (GSoC) 2015, 2016 and 2017** Atlanta, GA
Student Developer, Organization Mentor, Organization Administrator Mar. 2015 - August 2017
In 2015, I was selected as GSoC student where I built authentication system, designed new database schema, wrote REST APIs for CloudCV and integrated NVIDIA's Deep Learning GPU Training System (DIGITS) framework to add support for workspaces. In 2016, I served as GSoC Mentor where I mentored 2 students during the summer. In 2017, I served as Organization Administrator where I was responsible for planning, design and development of all projects along with mentoring students.
- **Georgia Institute of Technology** Atlanta, GA
Graduate Research Assistant Aug. 2016 - Present
Research on the problem of evaluation of Visual Dialog models focused on making these models more accurate, better understand human intentions, tendencies, and contexts.
- **Machine Learning and Perception Lab, Virginia Tech** Blacksburg, VA
Research Assistant June 2016 - May 2017
Worked with Dr. Dhruv Batra and Dr. Devi Parikh on research problems that lie at the intersection of Computer Vision, Machine Learning and Natural Language Processing.
- **Cityflo** Mumbai, India
Software Development Internship Dec. 2015 - Feb 2016
Responsible for setting up an Test Driven Development for Continuous Integrations in the backend codebase which helped the whole software engineering team to spend more time on building new features rather than maintaining and fixing bugs and issues.
- **Siftr Labs** Noida, India
Product Development Internship Sep. 2015 - Dec 2015
Developed an Android Application which communicates with beacons (Low energy Bluetooth devices) for indoor navigation in big malls.
- **Fratmart** Noida, India
Backend Developer Aug. 2014 - Dec 2014
Started a venture when I was a sophomore. I was responsible for product development from scratch, managing the servers, database management and other backend scripting tasks.

PUBLICATIONS

- **Evaluating Visual Conversational Agents via Cooperative Human-AI Games**
P. Chattopadhyay*, **D. Yadav***, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh
AAAI Conference on Human Computation and Crowdsourcing (HCOMP) 2017, **Oral**
(* denotes equal contribution)
- **Visual Dialog** [visualdialog.org]
A. Das, S. Kottur, K. Gupta, A. Singh, **D. Yadav**, J.M.F. Moura, D. Parikh, D. Batra
Computer Vision and Pattern Recognition (CVPR) 2017, **Spotlight**
- **It Takes Two to Tango: Towards Theory of AI's Mind**
A. Chandrasekaran*, **D. Yadav***, P. Chattopadhyay*, V. Prabhu*, D. Parikh
(Submitted to AAAI Conference, 2018)
(* denotes equal contribution)

TEACHING EXPERIENCE

- **ECE 5424: Introduction to Machine Learning** Fall 2016
Teaching Assistant with Dr. Stefan Lee

SELECTED PROJECTS

- **EvalAI** [evalai.cloudcv.org]
Open source platform that aims to help researchers, students & data scientists to host & participate in various AI challenges; **35+ open source contributors; 1300+ issues & pull requests; 75+ forks; 180+ stars**
- **Visual Chatbot** [visualchatbot.cloudcv.org]
Given an image, dialog history, and a follow-up question about image, the chatbot answers the next question
- **Grad-CAM Demo** [gradcam.cloudcv.org]
Visual Explanations from Deep Networks via Gradient-based Localization
- **Visual Question Answering (VQA) Demo** [vqa.cloudcv.org]
Given an image, a question related to that image, the model will predict an answer
- **InfoConnect** [jssaten.org.in]
Student-Faculty interaction platform; 17000+ users; 20000+ notices uploaded; 5000+ daily active users
- **Skynet Mobile Browser**
Web browser for windows phone; 30000+ downloads

PROGRAMMING SKILLS

- **Languages:** Python, C, C++, C#, Javascript, Lua, MATLAB
- **Version Control:** Git
- **Databases:** MySQL, PostgreSQL, MongoDB, Elasticsearch, Redis, Couchbase
- **DevOps:** Docker, AWS EC2, EBS, RDS, S3, SQS, VPC, Nginx, Apache, Google App Engine
- **Frameworks:** Django Rest Framework, Flask, PyTest, Celery, RabbitMQ, Scrapy, OpenCV, Torch
- **Frontend:** HTML, CSS, Javascript, JQuery, AngularJS, Socket.IO, Material Design, Bootstrap
- **Mobile Applications:** Android, Windows Phone
- **Other:** Beautiful Soup, Facebook APIs, Google APIs

AWARDS AND ACHIEVEMENTS

- Winner, **VT Hacks**, Virginia Tech, 2016
- Travel Scholarship for **Google Summer of Code Mentor Summit 2016 and 2017**
- **National Means Cum-Merit Scholarship** recipient (2009 - 2012)
- **Prime Minister Scholarship Scheme** recipient (2012 - 2016)
- Winner, **Cassiopeian Wars**, 2014
- First runner-up, **Summer Hackathon**, 2014