

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

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)
- **It Takes Two to Tango: Towards Theory of AI's Mind**
A. Chandrasekaran*, **D. Yadav***, P. Chattopadhyay*, V. Prabhu*, D. Parikh
Chalearn Looking at People Workshop, (CVPR) 2017
(* 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**

EXPERIENCE

- **Georgia Institute of Technology** Atlanta, GA
Graduate Research Assistant Aug. 2016 - Present
Research on the problem of evaluation of Visual Dialog models focusing 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
- **CloudCV** Atlanta, GA
Team Lead Jun. 2016 - Present
Responsible for managing distributed computing server, building new APIs, demos along with actively maintaining the projects such as EvalAI, Fabrik and Origami etc
- **Google Summer of Code, 2017** Atlanta, GA
Organization Administrator Mar. 2017 - August 2017
Responsible for managing CloudCV Organization and mentor 4 student projects during the summer
- **Google Summer of Code, 2016** Blacksburg, VA
Organization Administrator Mar. 2016 - August 2016
Mentored three students on software engineering and deep learning problems projects of CloudCV
- **Google Summer of Code, 2015** Blacksburg, VA
Student Developer Mar. 2015 - August 2015
Developed REST APIs for CloudCV and integrated NVIDIA's Deep Learning GPU Training System (DIGITS) with CloudCV

- **Cityflo** Mumbai, India
Software Development Internship *Dec. 2015 - Feb 2016*
 Responsible for Test Driven Development for whole codebase of 10,000 lines, writing REST APIs for the customer and drivers Application and setting up CI/CD pipeline.
- **Siftr Labs** Noida, India
Product Development Internship *Sep. 2015 - Dec 2015*
 Developed an IoT based product using beacons for the indoor navigation in big offices and malls.
- **Fratmart** Noida, India
Backend Developer *Aug. 2014 - Dec 2014*
 Responsible for developing the whole product from scratch, managing the server, database management and other backend scripting tasks.

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 and data scientists to create, collaborate and participate in various AI challenges.
- **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
- **Diverse Beam Search Demo** [dbs.cloudcv.org]
 Generate diverse image-captions for models trained using the popular neuraltalk2 repository
- **InfoConnect** [jssaten.org.in]
 Platform for interaction between faculties and students; 17000+ users; 20000+ uploads; 5000+ daily active users
- **Skynet Mobile Browser**
 Web browser for windows phone; 30000+ downloads

PROGRAMMING SKILLS

- **Languages:** Python, Lua, C++, C, Javascript, MATLAB **Version Control:** Git
- **DevOps:** Docker, AWS EC2, EBS, RDS, S3, SQS, VPC, Nginx
- **Frameworks:** Django Rest Framework, Flask, AngularJS, Torch
- **Mobile Applications:** Android, Windows mobile application development
- **Other Technologies:** Celery, RabbitMQ, Socket.IO, OpenCV

AWARDS AND ACHIEVEMENTS

- Felicitated for securing **highest paying job** since its establishment
- Travel Scholarship for **Google Summer of Code Mentor Summit, 2017**
- Winner, **VT Hacks**, Virginia Tech, 2016
- Travel Scholarship for **Google Summer of Code Mentor Summit, 2016**
- **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