

Anant Mittal

anmittal@cs.washington.edu • [LinkedIn](#)

EDUCATION

University of Washington, Paul G. Allen School of Computer Science & Engineering <i>Doctor of Philosophy, Computer Science</i>	Seattle, WA, USA 2019 - Ongoing
University of Michigan, School of Information <i>Master of Science in Information, Specialization in Data Science</i>	Ann Arbor, MI, USA April 2019
Indraprastha University, Bharati Vidyapeeth's College of Engineering <i>Bachelor in Computer Science</i>	New Delhi, India June 2013

RESEARCH EXPERIENCE

University of Washington Center for Game Science <i>Advisor: Prof. Zoran Popović</i>	Seattle, WA, USA June '19 - Ongoing
<ul style="list-style-type: none">Building educational platforms for teacher student classroom environments and applying data science techniques for scientific discovery through games	
University of Michigan The Mentor Academy, Educational Technology Collective <i>Advisor: Prof. Christopher Brooks</i>	Ann Arbor, MI, USA Sep '18 - April '19
<ul style="list-style-type: none">Created extensions for Jupyter environment using JavaScript, Python, Flask, and Amazon Web Services to crowd source contextual data science questions and datasets through graduated learners from MOOCs	
Learning and Automating De-escalation Strategies in Online Discussions <i>Advisors: Prof. Libby Hemphill and Prof. David Jurgens</i>	Jan '19 - April '19
<ul style="list-style-type: none">Built a large-scale intervention system to measure hate speech in Reddit threads using deep learning models and a rule-based system and accordingly intervene using a repository of de-escalating comments	

PROFESSIONAL EXPERIENCE

AdmitHub, Harvard Innovation Lab <i>Deep Learning Intern - Natural Language Understanding</i>	Boston, MA, USA May '18 - Jul '18
<ul style="list-style-type: none">Developed a chatbot using natural language understanding techniques to help students find relevant scholarships	
Adobe Systems Pvt Ltd. <i>Associate Engineering Services Consultant</i>	Bengaluru and Noida, India Sep '14 - Mar '16
<ul style="list-style-type: none">Used LAMP stack, Hadoop, JavaScript, and visualization libraries to build custom big data solutions for Adobe's digital marketing suite clients	
IKP Centre for Technologies in Public Health <i>Software Engineering Intern</i>	Thanjavur, Tamil Nadu, India Jun '12 - Jul '12
<ul style="list-style-type: none">Used LAMP stack, JavaScript, and Google Charts API to create automated graphical reports and visualizations to help health administrators understand patient data	

PUBLICATIONS

- April Wang, **Anant Mittal**, Christopher Brooks, Steve Oney (2019). How Data Scientists Use Computational Notebooks for Real-Time Collaboration. To appear at the Proceedings of the ACM: Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing (CSCW). November 9-13, Austin, TX. **[Best Paper Award]**
- Anant Mittal**, Christopher Brooks. Augmenting Authentic Data Science Environments for Learning Analytics. 9th International Conference on Learning Analytics and Knowledge 2019 (LAK19). March, 2019. Tempe, AZ, USA. Poster.

CONSULTING & VOLUNTEERING EXPERIENCE

Aam Aadmi Party, Delhi Government

Technical Advisor

New Delhi, India

Sep '16 - Jun '17

Prof. Aprajit Mahajan, UC Berkeley

Research Assistant

New Delhi, India

Sep '15 - Aug '16

- Used Neo4j graph database, Java, and Gephi to detect fraudulent dealers in Delhi government's tax system
- Used PHP, and Beautiful Soup to digitize a database of 13 million registered voters in Delhi

Swasth Foundation

Application Developer

Mumbai, Maharashtra, India

Dec '14 - Jun '16

- Used Ionic, AngularJS, and Qt Framework to create personal health tracking applications, targeting more than 150,000 Swasth patients

TEACHING EXPERIENCE

University of Washington

Teaching Assistant - CSE 481D Games Capstone Software

Seattle, WA, USA

Winter 2020

University of Michigan

Graduate Student Instructor - SI 485 Information Analytics Capstone Project

Ann Arbor, MI, USA

Winter 2018

HONORS AND AWARDS

Achievement and Spot Bonus Award

Adobe Systems Pvt Ltd.

Bengaluru, Karnataka, India

Dec' 2015

Best Start-Up Idea

2nd Place, Start-Up Weekend Bangalore

Bengaluru, Karnataka, India

Nov' 2013

RELEVANT COURSEWORK

University of Washington, Seattle

Introduction to Deep Learning, Prototyping Interactive Systems, Artificial Intelligence, Machine Learning, Implementation of Programming Languages

University of Michigan, Ann Arbor

Contextual Inquiry, Introduction to Statistics and Data Analysis, Information Retrieval, Computational Data Science, Data Manipulation and Analysis, Natural Language Processing, Practical Use and Communication of Bayesian Statistics, Networks, Applied Machine Learning, Data Mining, Big Data Analytics

Coursera

Fundamentals of Reinforcement Learning, Neural Networks and Deep Learning, Structuring Machine Learning Projects, Functional Programming Principles in Scala, R Programming, Machine Learning, Introduction to Data Science in Python