

Anant Mittal

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EDUCATION

University of Washington, Paul G. Allen School of Computer Science & Engineering <i>Doctor of Philosophy, Computer Science (Human-Computer Interaction)</i>	Seattle, WA, USA 2019 - Ongoing
University of Michigan, School of Information <i>Master of Science in Information, Specialization in Data Science & Machine Learning</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

SKILLS

Full stack engineering, experiment design, qualitative and quantitative data analysis, machine learning and natural language processing tools, visualization libraries, relational and non-relational databases, Python, TypeScript, JavaScript, React, R, Project Jupyter, SQL, AWS, Azure

RESEARCH EXPERIENCE

Graduate Research Assistant, University of Washington Scientific Software Engineering Center, eScience Institute Working with other scientists on impactful research projects, infusing them with the software industry's best practices, and delivering open-source and reusable software	Seattle, WA, USA Sep '23 - Ongoing
SCOPE: Technology Enhanced Collaborative Care for Cancer <i>Advisors: James Fogarty and Gary Hsieh</i> Designed, built, and deployed a collaborative care management system for people with cancer to manage their treatment and depression	Sep '21 - Ongoing
PlayBridge: Examining Personalized AI for Runtime Enhancements to Improve Accessibility of Android Educational Games for Children with Upper Body Motor Impairments <i>Advisor: James Fogarty</i>	Jun '23 - Ongoing
Scientific Discovery through Games, Center for Game Science <i>Advisor: Zoran Popović</i> Applied machine learning and data science techniques to analyze game data for maximizing scientific discovery and engagement in STEM education and crowdsourcing games	Sep '19 - Jan '21
Research Intern, Microsoft Research <i>Advisors: Mohit Jain and Pratyush Kumar</i> Examined design and implementation of a videoconferencing platform for mixed hearing groups	Bengaluru, Karnataka, India Jun '22 - Sep '22
Research Assistant, Enlearn <i>Advisors: Yun-En Liu and Zoran Popović</i> Designed and prototyped math learning prototypes for K12 classroom environments to engage students' cognitive processes known as executive functions	Seattle, WA, USA Aug '20 - Jul '21
Graduate Research Assistant, University of Michigan <i>Advisor: Christopher Brooks</i> Augmenting Authentic Data Science Environments for Learning Analytic Built extensions and infrastructure for Project Jupyter to capture the learning behavior of students and crowdsource contextual data science questions and datasets through graduated learners on Coursera	Ann Arbor, MI, USA Sep '17 - April '19

PUBLICATIONS

Anant Mittal, Meghna Gupta, Roshni Poddar, Tarini Naik, Seethalakshmi Kuppuraj, James Fogarty, Pratyush Kumar, and Mohit Jain. 2023. Jod: Examining Design and Implementation of a Videoconferencing Platform for Mixed Hearing Groups. In The 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS' 23), October 22–25, 2023, New York, NY, USA. <https://doi.org/10.1145/3597638.3608382>

Tae Jones*, **Anant Mittal***, Jina Suh, Ravi Karkar, Lydia Andris, Yihao Zheng, Amy M. Bauer, Ty Lostutter, Jesse Fann, James Fogarty, and Gary Hsieh. UW SCOPE: Examining Technology-Enhanced Collaborative Care Management of Depression in the Cancer Setting, CHI 2023 Workshop on Bridging HCI and Implementation Science. [\[PDF\]](#)

April Yi Wang, **Anant Mittal**, Christopher Brooks, and Steve Oney. 2019. How Data Scientists Use Computational Notebooks for Real-Time Collaboration. Proc. ACM Hum.-Comput. Interact. 3, CSCW, Article 39 (November 2019), 30 pages. <https://doi.org/10.1145/3359141> [\[Best Paper Award\]](#)

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. [\[PDF\]](#)

PROFESSIONAL EXPERIENCE

Mainstay <i>Deep Learning Intern</i>	Boston, MA, USA <i>May '18 - Jul '18</i>
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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 <i>Sep '14 - Mar '16</i>
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Built 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 <i>Jun '12 - Jul '12</i>
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Built system features to create automated graphical reports and visualizations to help health administrators understand patient data

CONSULTING & VOLUNTEERING EXPERIENCE

Aam Aadmi Party, Delhi Government <i>Technical Advisor</i>	New Delhi, India <i>Sep '16 - Jun '17</i>
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Prof. Aprajit Mahajan, UC Berkeley <i>Research Assistant</i>	New Delhi, India <i>Sep '15 - Aug '16</i>
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Swasth Foundation <i>Application Developer</i>	Mumbai, Maharashtra, India <i>Dec '14 - Jun '16</i>
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TEACHING EXPERIENCE

Teaching Assistant, University of Washington <i>CSE 440 Introduction to Human-Computer Interaction</i> <i>CSE 510 Advanced Topics in Human-Computer Interaction</i> <i>CSE 583 Software Development for Data Scientists</i> <i>CSE 481D Games Capstone Software</i>	Seattle, WA, USA <i>Spring 2022</i> <i>Winter 2022</i> <i>Autumn 2021</i> <i>Winter 2020</i>
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Graduate Student Instructor, University of Michigan <i>SI 485 Information Analytics Capstone Project</i>	Ann Arbor, MI, USA <i>Winter 2018</i>
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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