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| --- | --- | --- | --- | --- |
| ­­­MOHIT JAIN | | | | Senior Researcher, Microsoft Research India  <https://mohitjaindr.github.io/>  [mohja@microsoft.com](mailto:mohja@microsoft.com) |
|  | | |  | |
| PROFESSIONAL EXPERIENCE | | | | |
|  | | |  | |
| **INDUSTRY EXPERIENCE** | | | | |
|  | | |  | |
| 2019-Present | | | Microsoft Research, India  Senior Researcher, Technology for Emerging Markets team | |
|  | | |  | |
| 2012-2019 | | | IBM Research, India  Senior Research Engineer, Cognitive IoT team | |
|  | | |  | |
| 2011-2012 | | | Amazon, USA  Software Development Engineer, Digital Videogames team | |
|  | | |  | |
| **ACADEMIC EXPERIENCE** | | | | |
|  | | |  | |
| 2015-2019 | | | University of Washington, USA  Graduate Research Assistant, UbiComp Lab | |
|  | | |  | |
| 2009-2011 | | | University of Toronto, Canada  Graduate Research Assistant, Digital Graphics Project Lab | |
|  | | |  | |
| **INTERNSHIP EXPERIENCE** | | | | |
|  | | |  | |
| Summer 2011 | | | HP Labs, India  Research Intern, Mobile and Immersive Experience Lab  *Advisor*: Dr. Sriganesh Madhvanath | |
|  | | |  | |
| Spring 2011 | | | Microsoft Research, India  Research Intern, Technology for Emerging Markets team  *Advisor*: Dr. Indrani Medhi, Aishwarya Ratan, Dr. Edward Cutrell | |
|  | | |  | |
| Summer 2010 | | | Microsoft Research, India  Visiting Researcher, Technology for Emerging Markets team  *Advisor*: Dr. Edward Cutrell | |
|  | | |  | |
| Fall 2009 | | | Greenbelt Foundation, Canada  Interface Designer | |
|  | | |  | |
| Summer 2007 | | | University of California, Berkeley and Microsoft Research, India  Software Developer Intern, Technology for Emerging Markets team  *Advisor*: Dr. Joyojeet Pal, Udai Pawar, Sukumar Anikar, Dr. Kentaro Toyama | |
|  | | |  | |
| EDUCATION | | | | |
|  | | |  | |
| 2015-2019 | | | Ph.D., Computer Science & Engineering, University of Washington, USA  *GPA*: 3.94/4.0  *Advisor*: Dr. Shwetak Patel (*Area*: Ubiquitous Computing)  *Thesis*: Making Chatbots More Transparent and Applicable to New Demographics | |
|  | | |  | |
| 2009-2011 | | | Master of Science, Computer Science, University of Toronto, Canada  *GPA*: 4.0/4.0  *Advisor*: Dr. Ravin Balakrishnan (*Area*: Human-Computer Interaction)  *Thesis*: User Learning and Performance with Bezel Menus | |
|  | | |  | |
| 2005-2009 | | | Bachelor of Technology, Information & Communication Technology, Dhirubhai Ambani Institute of ICT (DA-IICT), India  *GPA*: 9.61/10 (**Bronze Medalist**) | |
|  | | |  | |
| HONORS, AWARDS & GRANTS | | | | |
|  | | |  | |
| 2019 | | | IBM Fourth Patent Plateau. | |
|  | | |  | |
| 2018 | | | IBM **Outstanding** **Equity Award** (awarded to <0.1% of IBMers).  **Honorable Mention Award** (Top 5%) at ACM CHI for Seismo [C22].  **Aegis Graham Bell Award** (Category: Innovation in IoT) for my team’s work in Agribusiness.  IBM 'A-level Accomplishment' Award (Category: Customer Offering) for Utility Innovations to Embrace Sustainability and Climate Change.  IBM Third Patent Plateau. | |
|  | | |  | |
| 2017 | | | Winner of **DFS Tech Chatbots Challenge** 2017, award of US$20,000 [J2].  Young Researcher attendee at the **Heidelberg Laureate Forum**.  IBM ‘A Level Accomplishment’ Award for Efficient Integration of non-conventional Energy Sources in Electric and Thermal Grids [C18].  IBM Volunteer Award for being part of the IBM Research India Internship team.  IBM Second Patent Plateau. | |
|  | | |  | |
| 2016 | | | IBM ‘**Outstanding Technical Achievement Award**’ for UrJar [C11, W7].  IBM ‘**Outstanding Technical Achievement Award**’ for contributions to User Centric Demand Management [W6, C12, C14].  IBM First Patent Plateau. | |
|  | | |  | |
| 2015 | | | IBM ‘**O Level Accomplishment**’ Award (Category: Customer Offering) for Smarter Energy Offering.  IBM ‘**Research Division Award**’ for Energy Efficiency in Brunei [C12].  IBM ‘A Level Accomplishment’ Award (Category: Image) for UrJar [C11, W7].  IBM ‘A Level Accomplishment’ Award (Category: Science) for User-Centric Demand Management [W6, C12, C14].  IBM ‘A Level Accomplishment’ Award (Category: Accelerated Market Introduction) for Analytics and Applications for Energy and Utility.  Runner-up at Smarter Energy Research Institute (SERI) conference organized by IBM.  University of Washington graduate scholarship. | |
|  | | |  | |
| 2014 | | | **Best Paper Award** at BuildSys for Collaborative Energy Conservation [C12].  **Runner-up Best Presentation Award** at BuildSys for Collaborative Energy Conservation [C12].  IBM ‘A Level Accomplishment’ Award (Category: Client Success) for Efficient Energy Generation and Consumption in Brunei [C12].  IBM ‘A Level Accomplishment’ Award (Category: Science) for Technology for Education (IDEAL) Project [C10]. | |
|  | | |  | |
| 2009 | | | **Wolfond Fellowship**.  Won MultiPoint Education Award in **Microsoft Imagine Cup** World Finals, Egypt.  Second runner-up in Microsoft Imagine Cup National Finals (Software Design), India.  **Travel scholarship** to attend ACM/IEEE ICTD conference.  University of Toronto graduate scholarship (2009-2011).  Bronze medal for securing 3rd rank in a class of 240 students at DA-IICT. | |
|  | | |  | |
| 2008 | | | Won TechMarket, a white paper presentation competition, at DA-IICT. | |
|  | | |  | |
| 2007 | | | Won **IBM INVITE**, a software design competition. | |
|  | | |  | |
| PEER-REVIEWED JOURNAL PUBLICATIONS | | | | |
|  | |  |  | |
| 2019 | | J2 | *FarmChat: A Conversational Agent to Answer Farmer Queries.*  **Mohit Jain**, Pratyush Kumar, Ishita Bhansali, Q. Vera Liao, Khai Truong, Shwetak Patel.  IMWUT *(PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies)* 2, 4, article 170. | |
|  | |  |  | |
| 2017 | | J1 | *DigiTouch: Reconfigurable Thumb-to-Finger Interaction for Input and Text Entry for Head-mounted Displays.*  Eric Whitmire, **Mohit Jain**, Divye Jain, Greg Nelson, Ravi Karkar, Shwetak Patel, Mayank Goel.  IMWUT *(PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies)* 1, 3, article 113. | |
|  | |  |  | |
| PEER-REVIEWED CONFERENCE PUBLICATIONS | | | | |
|  | |  |  | |
| 2021 | | C31 | *Smartphone Usage by Expert Blind Users.*  **Mohit Jain**, Nirmalendu Diwakar, Manohar Swaminathan.  CHI *(ACM Conference on Human Factors in Computing Systems)*. | |
|  | |  |  | |
|  | | C30 | *Teachers’ Perceptions around Digital Games for Children in Low-resource Schools for the Blind.*  Gesu India, Vidhya Y, Aishwarya O, Nirmalendu Diwakar, **Mohit Jain**, Aditya Vashistha, Manohar Swaminathan.  CHI *(ACM Conference on Human Factors in Computing Systems)*. | |
|  | |  |  | |
|  | | C29 | *RespireNet: A Deep Neural Network for Accurately Detecting Abnormal Lung Sounds in Limited Data Setting.*  Siddhartha Gairola, Francis Tom, Nipun Kwatra, **Mohit Jain**.  arXiv *preprint arXiv:2011.00196* | |
|  | |  |  | |
| 2020 | | C28 | *Gaze-based Screening of Autistic Traits for Adolescents and Young Adults using Prosaic Videos.*  Karan Ahuja, Abhishek Bose, **Mohit Jain**, Kuntal Dey, Anil Joshi, Krishnaveni Achary, Blessin Varkey, Chris Harrison, Mayank Goel.  COMPASS *(ACM SIGCAS Conference on Computing and Sustainable Societies)*. | |
|  | |  |  | |
| 2019 | | C27 | *Automatic Generation and Evaluation of Usable and Secure Audio reCAPTCHA.*  **Mohit Jain**, Rohun Tripathi, Ishita Bhansali, Pratyush Kumar.  ASSETS *(ACM SIGACCESS International Conference on Computers and Accessibility)*. | |
|  | |  |  | |
|  | | C26 | *Adversarial Adaptation of Scene Graph Models for Understanding Civic Issues.*  Shanu Kumar, Shubham Atreja, Anjali Singh, **Mohit Jain**.  WWW *(International World Wide Web Conference)*. | |
|  | |  |  | |
|  | | C25 | *Resilient Chatbots: Repair Strategy Preferences for Conversational Breakdowns.*  Zahra Ashktorab\*, **Mohit Jain**\*, Q. Vera Liao\*, Justin D. Weisz. [\* equal contributors]  CHI *(ACM Conference on Human Factors in Computing Systems)*. | |
|  | |  |  | |
|  | | C24 | *BigBlueBot: Teaching Strategies for Successful Human-Agent Interactions.*  Justin D. Weisz, **Mohit Jain**, Narendra Nath Joshi, James Johnson, Ingrid Lange.  IUI *(ACM International Conference on Intelligent User Interfaces)*. | |
|  | |  |  | |
|  | | C23 | *Automatic Generation of Leveled Visual Assessments for Young Learners.*  Anjali Singh, Ruhi S. Mittal, Shubham Atreja, Mourvi Sharma, Seema Nagar, Prasenjit Dey, **Mohit Jain**.  EAAI *(Educational Advances in Artificial Intelligence)*. | |
|  | |  |  | |
| 2018 | | C22  Ribbon | *Seismo: Blood Pressure Monitoring using Built-in Smartphone Accelerometer and Camera.*  Edward Jay Wang, Junyi Zhu, **Mohit Jain**, Tien-Jui Lee, Elliot Saba, Lama Nachman, Shwetak Patel.  CHI *(ACM Conference on Human Factors in Computing Systems).*  **Honorable Mention Award (Top 5%)** | |
|  | |  |  | |
|  | | C21 | *Convey: Exploring the Use of a Context View for Chatbots.*  **Mohit Jain**, Ramachandra Kota, Pratyush Kumar, Shwetak Patel.  CHI (*ACM Conference on Human Factors in Computing Systems*). | |
|  | |  |  | |
|  | | C20 | *End-To-End Audio Replay Attack Detection Using Deep Convolutional Networks with Attention.*  Francis Tom, **Mohit Jain**, Prasenjit Dey.  INTERSPEECH *(Annual Conference of the International Speech Communication Association)*. | |
|  | |  |  | |
|  | | C19 | MobiCeil: Cost­Free Indoor Localizer for Office Buildings.  **Mohit Jain**, Megha Nawhal, Saicharan Duppati, Sampath Dechu.  MobileHCI *(ACM Conference on Human-Computer Interaction with Mobile Devices and Services)*. | |
|  | |  |  | |
|  | | C18 | *Reducing Energy Consumption for Space Heating by Changing Zone Temperature: Pilot Trial in Luleå, Sweden.*  Kumar Saurav, **Mohit Jain**, Sambaran Bandhyopahyay.  eEnergy *(ACM International Conference on Future Energy Systems)*. | |
|  | |  |  | |
|  | | C17 | *Opportunistic Sensing with Mic Arrays on Smart Speakers for Distal Interaction and Exercise Tracking.*  Anup Agarwal, **Mohit Jain**, Pratyush Kumar, Shwetak Patel.  ICASSP *(IEEE International Conference on Acoustics, Speech and Signal Processing)*. | |
|  | |  |  | |
|  | | C16 | *Evaluating and Informing the Design of Chatbots.*  **Mohit Jain**, Pratyush Kumar, Ramachandra Kota, Shwetak Patel.  DIS *(ACM Conference on Designing Interactive Systems)*. | |
|  | |  |  | |
| 2016 | | C15 | *Software-only Occupancy Inference in a Workplace.*  **Mohit Jain**, Vikas Chandan, Ashok Pon Kumar, Vijay Arya, Sridhar R, Babitha Ramesh.  ISGT NA *(IEEE Conference on Innovative Smart Grid Technologies NA)*. | |
|  | |  |  | |
| 2015 | | C14 | *Methodologies for Effective Demand Response Messaging.*  **Mohit Jain**, Vikas Chandan, Marilena Minou, George Thanos, Tri K Wijaya, Achim Lindt, Arne Gylling.  SmartGridComm *(IEEE International Conference on Communications, Control, and Computing Technologies for Smart Grid).* | |
|  | |  |  | |
|  | | C13 | Comparing Energy Feedback Techniques for Dormitory Students in India.  **Mohit Jain**, Deepika Chhabra, Amarjeet Singh.  BuildSys *(ACM International Conference on Systems for Energy-Efficient Built Environments)*. | |
|  | |  |  | |
| 2014 | | C12  Trophy  Ribbon | *Collaborative Energy Conservation in a Microgrid.*  **Mohit Jain**, Harshad Khadilkar, Neha Sengupta, Zainul Charbiwala, Kushan U Tennakoon, Rodzay bin H.A. Wahab, Liyanage C.D. Silva, Deva P. Seetharam.  BuildSys *(ACM International Conference on Systems for Energy-Efficient Built Environments).*  **Best Paper Award**  **Runner-Up Best Presentation Award** | |
|  | |  |  | |
|  | | C11 | *UrJar: A Lighting Solution using Discarded Laptop Batteries.*  Vikas Chandan, **Mohit Jain**, Harshad Khadilkar, Zainul Charbiwala, Anupam Jain, Sunil Ghai, Rajesh Kunnath, Deva P. Seetharam.  DEV *(ACM Symposium on Computing for Development)*. | |
|  | |  |  | |
|  | | C10 | *EduPaL: Enabling Blended Learning in Resource Constrained Environments.*  Malolan Chetlur, Ashay Tamhane, Vinay Kumar Reddy, Bikram Sengupta, **Mohit Jain**, Pongsakorn Sukjunnimit, Ramrao Wagh.  DEV *(ACM Symposium on Computing for Development).* | |
|  | |  |  | |
|  | | C9 | *Energy Usage Attitudes of Urban India.*  **Mohit Jain**, Deepika Chhabra, Jen Mankoff, Amarjeet Singh.  ICT4S *(International Conference on ICT for Sustainability)*. | |
|  | |  |  | |
| 2013 | | C8 | *"We are not in the loop": Resource Wastage and Conservation Attitude of Employees in Indian Workplace.*  **Mohit Jain**, Ankit Agrawal, Sunil K. Ghai, Khai Truong, Deva P. Seetharam.  UbiComp *(ACM International Joint Conference on Pervasive and Ubiquitous Computing)*. | |
|  | |  |  | |
|  | | C7 | *Comparison of Phone-based Distal Pointing Techniques for Point-Select Tasks.*  **Mohit Jain**, Andy Cockburn, Sriganesh Madhvanath.  INTERACT *(IFIP TC13 International Conference on Human-Computer Interaction)*. | |
|  | |  |  | |
|  | | C6 | *Evaluating the Effect of Phrase Set in Hindi Text Entry.*  **Mohit Jain**, Khushboo Tekchandani, Khai Truong.  INTERACT *(IFIP TC13 International Conference on Human-Computer Interaction)*. | |
|  | |  |  | |
|  | | C5 | *Deep Conservation in Urban India and its Implications for the Design of Conservation Technologies.*  Yedendra Shrinivasan, **Mohit Jain**, Deva P. Seetharam, Abhishek Choudhary, Elaine M. Huang, Tawanna Dillahunt, Jennifer Mankoff.  CHI *(ACM Conference on Human Factors in Computing Systems)*. | |
|  | |  |  | |
| 2012 | | C4 | *Combating Rural Child Malnutrition through Inexpensive Mobile Phones.*  Indrani Medhi, **Mohit Jain**, Anuj Tewari, Mohini Bhavsar, Michael Matheke-Fischer, Edward Cutrell.  NordiCHI *(ACM Nordic Conference on Human-Computer Interaction)*. | |
|  | |  |  | |
|  | | C3 | *User Learning and Performance with Bezel Menus.*  **Mohit Jain**, Ravin Balakrishnan.  CHI *(ACM Conference on Human Factors in Computing Systems)*. | |
|  | |  |  | |
| 2011 | | C2 | *Exploring Display Techniques for Mobile Collaborative Learning in Developing Regions.*  **Mohit Jain**, Jeremy Birnholtz, Edward Cutrell, Ravin Balakrishnan.  MobileHCI *(ACM Conference on Human-Computer Interaction with Mobile Devices and Services)*. | |
|  | |  |  | |
| 2010 | | C1 | *DISHA: Multiple Mice in Narrative Content-based Computer Aided Learning for Children.*  Aakar Gupta, Praveen Shekhar, Navkar Samdaria, **Mohit Jain**, Joyojeet Pal.  IDID *(IFIP TC13 SIG on Interaction Design for International Development)*. | |
|  | |  |  | |
| PEER-REVIEWED POSTERS, DEMOS & WORKSHOPS | | | | |
|  | |  |  | |
| 2018 | | W8 | *BigBlueBot: A Demonstration of How to Detect Egregious Conversations with Chatbots.*  Casey Dugan, Justin D Weisz, Narendra Nath Joshi, Ingrid Lange, James Johnson, **Mohit Jain**, Werner Geyer.  NIPS *(Conference on Neural Information Processing Systems)*: Demo. | |
|  | |  |  | |
| 2015 | | W7 | *UrJar: A device to address energy poverty using e-waste.*  Vikas Chandan, **Mohit Jain**, Harshad Khadilkar, Zainul Charbiwala, Anupam Jain, Sunil Ghai, Rajesh Kunnath, Deva P. Seetharam.  eEnergy *(ACM International Conference on Future Energy Systems)*: Demo. | |
|  | |  |  | |
| 2014 | | W6 | *Evaluating Demand Response Programs: Getting the Key Performance Indicators Right.*  Marilena Minou, George Thanos, Matteo Vasirani, Tanuja Ganu, **Mohit Jain**, Arne Gylling.  eEnergy *(ACM International Conference on Future Energy Systems)*: International Workshop on Demand Response. | |
|  | |  |  | |
| 2013 | | W5 | *Replicating Residential Sustainability Study in Urban India.*  **Mohit Jain**, M., Yedendra Shrinivasan, Tawanna Dillahunt.  CHI *(ACM Conference on Human Factors in Computing Systems)*: RepliCHI Workshop. | |
|  | |  |  | |
| 2012 | | W4 | *The Fate of a Digital Slate: Unexpected Issues with Deployment in Rural India.*  Indrani Medhi, Anuj Tewari, **Mohit Jain**, Edward Cutrell.  UXMag *(User Experience Magazine)*, 11, 2. | |
|  | |  |  | |
| 2009 | | W3 | *Approaches to Formal Verification of Security Protocols.*  Suvansh Lal, **Mohit Jain**, Vikrant Chaplot.  IMY-CRSI *National Workshop on Cryptology*. | |
|  | |  |  | |
|  | | W2 | *DISHA: DISease and Health Awareness for Children on Multiple Input Devices.*  **Mohit Jain**, Aakar Gupta, Navkar Samdaria, Praveen Shekhar, Joyojeet Pal.  ICTD *(IEEE/ACM International Conference on Information and Communication Technologies and Development)*: Poster. | |
|  | |  |  | |
| 2008 | | W1 | *From Pilot to Practice: Creating Multiple-Input Multimedia Content for Real-World Deployment.*  Joyojeet Pal, Udai Pawar, Apurva Joshi, **Mohit Jain**, Sai Gopal Thota, Sai Teja, Sukumar Anikar.  IUI *(ACM International Conference on Intelligent User Interfaces)*: International Workshop on Intelligent User Interfaces for Developing Regions (IUI4DR). | |
|  | |  |  | |
| PATENTS | | | | |
|  | |  |  | |
| 2019 | | P19 | P201904537US01*. System and Method to Approximate Farm Level Yield Using Marketplace Arrival Data*.  Smitkumar N Marvaniya, **Mohit Jain**, Sushain Pandit, Wesley Richards, Dean Daskalantonakis, Jagabondhu Hazra. | |
|  | |  |  | |
|  | | P18 | US20210048938A1. *Visual Hierarchy Design Governed User Interface Modification via Augmented Reality.*  Willie Scott, Charu D. Pandhi, **Mohit Jain**, Kuntal Dey. | |
|  | |  |  | |
|  | | P17 | US2020372569A1. *System and Method for Chatbot Conversation Federation using Real-Time Auctioning.*  Kuntal Dey, **Mohit Jain**, Kaushik Lahiri, Sarbajit K. Rakshit. | |
|  | |  |  | |
| 2018 | | P16 | US10782777B2. *Real-Time Alteration of Standard Video and Immersive Video for Virtual Reality.*  **Mohit Jain**, Kuntal Dey, Willie Scott, Charu D. Pandhi.  **GRANTED** | |
|  | |  |  | |
|  | | P15 | US20200273080A1. *Product Usage Identification and Recommendation Provision.*  Sampath Dechu, **Mohit Jain**, Amrita Saha. | |
|  | |  |  | |
|  | | P14 | US20200114206A1*. Exercise Monitoring and Coaching using Audio-only Devices.*  **Mohit Jain**, Anup Agarwal, Pratyush Kumar. | |
|  | |  |  | |
|  | | P13 | US10928917B2. *Multiple User Interaction with Audio Devices using Speech and Gestures.*  **Mohit Jain**, Anup Agarwal, Pratyush Kumar.  **GRANTED** | |
|  | |  |  | |
| 2017 | | P12 | US10614815B2. *Conversational Challenge-Response System for Enhanced Security in Voice Only Devices.*  **Mohit Jain**, Pratyush Kumar.  **GRANTED** | |
|  | |  |  | |
|  | | P11 | US10608965B2. *Augmented Conversational Agent.*  Kuntal Dey, **Mohit Jain**, Pratyush Kumar.  **GRANTED** | |
|  | |  |  | |
|  | | P10 | US10664338B2. *System and Method for Root Cause Analysis in Large Scale Data Curation Flows using Provenance.*  Hima P. Karnam, Manish Kesarwani, Salil Joshi, **Mohit Jain**, Sameep Mehta.  **GRANTED** | |
|  | |  |  | |
|  | | P9 | US20190163807A1. *Feature Vector Profile Generation for Interviews.*  **Mohit Jain**, Ashok Pon Kumar, Pratyush Kumar, Ramachandra Kota. | |
|  | |  |  | |
|  | | P8 | US20180295071A1. *Adaptive Communications Display Window.*  **Mohit Jain**, Pratyush Kumar, Ramachandra Kota. | |
|  | |  |  | |
|  | | P7 | US10810647B2. *Hybrid Virtual and Physical Jewelry Shopping Experience.*  Ashok Pon Kumar, Pratyush Kumar, Anshul B. Shah, **Mohit Jain**, Megha Nawhal, Gyanendra Sharma, Amith Singhee.  **GRANTED** | |
|  | |  |  | |
| 2016 | | P6 | UW48021.01US1. *Smartphone Based Blood Pressure Measurement using Cameras and Microphone.*  Edward Wang, **Mohit Jain**, Shwetak Patel. | |
|  | |  |  | |
|  | | P5 | US20170364229A1. *Display Interaction based upon a Distance of Input.*  **Mohit Jain**, Ashok Pon Kumar.  **GRANTED** | |
|  | |  |  | |
|  | | P4 | US10598708B2. *Identifying and Prioritizing Errors in Connectivity Models of Distribution Networks for Efficient Field Inspections.*  Ramachandra Kota, Sambaran Bandyopadhyay, Rajendu Mitra, **Mohit Jain**, Vijay Arya.  **GRANTED** | |
|  | |  |  | |
| 2015 | | P3 | US9980099B2. *Indoor Location Detection using Ceiling Patterns*.  **Mohit Jain**, Megha Nawhal, Saicharan Duppati, Sampath Dechu.  **GRANTED** | |
|  | |  |  | |
|  | | P2 | US10379639B2. *Single-hand, Full-screen Interaction on a Mobile Device.*  **Mohit Jain**, Ashok Pon Kumar, Zainul M. Charbiwala.  **GRANTED** | |
|  | |  |  | |
| 2013 | | P1 | WO2013157013. *Selection of User Interface Elements of a Graphical User Interface.*  **Mohit Jain**, Sriganesh Madhvanath, Vimal Sharma. | |
|  | |  |  | |
| ADVISING & MENTORING | | | | |
|  | | |  | |
| **MENTOR (Research Fellow)** | | | | |
|  | | |  | |
| 2020-22 | | | Siddhartha Gairola [C29]  Master’s student at IIIT Hyderabad (CSE). | |
|  | | |  | |
| **CO-ADVISOR** | | | | |
|  | | |  | |
| 2013 | | | Deepika Chhabra [C9, C13]  Master’s in Computer Science degree, IIIT-Delhi. | |
|  | | |  | |
| **INTERNSHIPS** (8-24 weeks) | | | | |
|  | | |  | |
| 2021 | | | Aditya Aggarwal  Undergraduate student at IIIT Hyderabad (CSE). | |
|  | | |  | |
| 2020 | | | Uddeshya Upadhyay  Undergraduate student at IIT Bombay (CSE). Present: Ph.D. Student at Max Planck. | |
|  | | |  | |
|  | | | Siddhartha Gairola  Master’s student at IIIT Hyderabad (CSE). | |
|  | | |  | |
| 2019 | | | Murtuza Bohra  Master’s student at IIIT Hyderabad (CSE). Present: Working at Amazon. | |
|  | | |  | |
|  | | | Abhijeet Halwai  Undergraduate student at IIIT Hyderabad (CSE). | |
|  | | |  | |
| 2018 | | | Francis Tom  Undergraduate student at IIT Kharagpur (EE). Present: Working at Microsoft. | |
|  | | |  | |
| 2017 | | | Sudharsan Krishnaswamy  Undergraduate student at IIT Bhubaneswar (CSE). Present: Student at UCLA, working at SoundHound. | |
|  | | |  | |
|  | | | Francis Tom [C20]  Undergraduate student at IIT Kharagpur (EE). Present: Working at Microsoft. | |
|  | | |  | |
|  | | | Anup Agarwal [C17, P13, P14]  Undergraduate student at IIT Guwahati (CSE). Present: Ph.D. Student at CMU. | |
|  | | |  | |
|  | | | Yuvraj Chugh  Undergraduate student at NYU (CS). | |
|  | | |  | |
| 2015 | | | Saicharan Duppati [C19, P3]  Undergraduate student at IIT Bombay (CSE). Present: Graduated from UC San Diego, working at Salesforce. | |
|  | | |  | |
| 2013 | | | Deepika Chhabra [C9, C13]  Graduate student at IIIT-Delhi (CS). Present: Working at SD2 Labs. | |
|  | | |  | |
|  | | | Jiten Thakker  Undergraduate student at DA-IICT (ICT). Present: Graduated from NYU, working at Uplevel Security. | |
|  | | |  | |
|  | | | Sagar Mohite  Undergraduate student at DA-IICT (ICT). Present: Graduated from Univ of Utah, working at Evernote. | |
|  | | |  | |
| INVITED TALKS | | | | |
|  | | |  | |
| 2021 | T15 | | Smartphone-based Diagnostic Solutions  *IIT Kanpur* | |
|  | | |  | |
|  | T14 | | Low-Cost Smartphone-based Diagnostic Solutions  *IIT Jammu* | |
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| 2020 | T13 | | FarmChat: A Conversational Agent to Answer Farmer Queries  *IndiaHCI Out of India track* | |
|  | | |  | |
| 2019 | T13 | | Smartphone-based Technological Solutions for the (Mobile) Developing World  *SIGCHI Summer School on Expanding the Horizons of Human-Centered AI* | |
|  | | |  | |
|  | T12 | | Smartphone-based Technological Solutions for the (Mobile) Developing World  *IIIT-Delhi* | |
|  | | |  | |
| T11 | | | Smartphone-based Technological Solutions for the (Mobile) Developing World  *Microsoft Research India* | |
|  | | |  | |
| T10 | | | Technological Solutions for Societal Good  *Microsoft – AI for Good* | |
|  | | |  | |
| T9 | | | Extending Interactivity, Accessibility and Security of Conversational Systems  *FX Palo Alto Laboratory (FXPAL)* | |
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| 2018 | | T8 | Building Empathy with Chatbots  *IBM AI Systems Day* | |
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| 2017 | | T7 | Build a Chatbot in 10-minutes  *ad:tech* | |
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| 2016 | | T6 | Cognitive Shopping using Watson Conversation Services  *IBM Digital Leaders Connect* | |
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|  | | T5 | Cognitive Shopping using Watson Conversation Services  *IBM Cloud Innovation Forum* | |
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| 2013 | | T4 | Persuade to Conserve  *École Polytechnique Fédérale de Lausanne (EPFL), Switzerland* | |
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|  | | T3 | Persuade to Conserve  *IBM Zurich Research Lab* | |
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|  | | T2 | Insights into Paper-based Record Management System  *Microsoft Research India* | |
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| 2012 | | T1 | Energy Efficiency and Conservation  *IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)* | |
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| TEACHING ASSISTANT EXPERIENCE | | | | |
|  | | |  | |
| Spring 2016 | | | CSE 414: Introduction to Data Management  *Instructor: Dr. Dan Weld*, University of Washington | |
|  | | |  | |
| Fall 2015 | | | CSE 590P: Advanced Topics in Ubiquitous Computing  *Instructor: Dr. Mayank Goel,* University of Washington | |
|  | | |  | |
| Fall 2010 | | | CSC 428/CSC 2514: Human Computer Interaction  *Instructor: Dr. Khai Truong,* University of Toronto | |
|  | | |  | |
| Spring 2010 | | | CSC 343: Introduction to Databases  *Instructor: Dr. Diane Horton,* University of Toronto | |
|  | | |  | |
| Fall 2009 | | | CSC 369: Operating Systems  *Instructor: Dr. Karen Reid,* University of Toronto | |
|  | | |  | |
| Spring 2009 | | | IT 215: Systems Software  *Instructor: Dr. Anish Mathuria,* DA-IICT | |
|  | | |  | |
| Fall 2008 | | | IT 205: Data Structures and Algorithms  *Instructor: Dr. Ashok Amin,* DA-IICT | |
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| VOLUNTARY ACTIVITIES | | | | |
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| **PROGRAM COMMITTEE MEMBER** | | | | |
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| 2021 | | | CHI, *ACM Conference on Human Factors in Computing Systems* (Health track)  IUI, *ACM International Conference on Intelligent User Interfaces*  CUI, *Conference on Conversational User Interfaces* | |
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| 2020 | | | CHI, *ACM Conference on Human Factors in Computing Systems* (Specific Application Areas track)  IUI, *ACM International Conference on Intelligent User Interfaces*  ICTD, *International Conference on Information and Communication Technologies and Development*  COMPASS, *ACM SIGCAS Conference on Computing and Sustainable Societies* (Energy, IOT and Smart Cities track) | |
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| 2019 | | | IUI, *ACM International Conference on Intelligent User Interfaces* | |
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| **WORKSHOP ORGANIZER** | | | | |
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| 2021 | | | From the Margins to the Centre: Defining New Mission and Vision for HCI Researchers in South Asia CHI, *ACM Conference on Human Factors in Computing Systems*  Link*: https://hci4south.asia/chi21-workshop/* | |
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| **PUBLICITY CHAIR** | | | | |
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| 2014  2014 | | | UbiComp, *ACM International Joint Conference on Pervasive and Ubiquitous Computing*  ISWC, *International Symposium on Wearable Computers* | |
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| **REVIEWER** | | | | |
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| 2011-2021  2013-2021  2015, 19-21  2012, 19-21  2021  2021  2021  2021  2021  2019  2018  2018  2015  2014  2011-2012  2012 | | | CHI, *ACM Conference on Human Factors in Computing Systems*  IMWUT, *PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (previously UbiComp)*  IUI, *ACM International Conference on Intelligent User Interfaces*  DIS, *ACM Conference on Designing Interactive Systems*  TOCHI*, ACM Transactions on Computer-Human Interaction*  TSC*, ACM Transactions on Social Computing*  TACCESS*, ACM Transactions on Accessible Computing*  CUI*, Conference on Conversational User Interfaces*  COMSNETS*, Conference on COMmunication Systems and NETworkS*  UIST, *ACM* *User Interface Software and Technology*  IDC, *Interaction Design & Children*  ISS, *ACM Interactive Surfaces and Spaces*  JETR, *Journal of Engineering and Technology Research*  CSCW, *ACM Conference on Computer-Supported Cooperative Work and Social Computing*  MobileHCI, *ACM Conference on Human-Computer Interaction with Mobile Devices and Services*  APCHI, *Asia Pacific Conference on Computer Human Interaction* | |
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| **STUDENT VOLUNTEER** | | | | |
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| 2010 | | | CHI, *ACM Conference on Human Factors in Computing Systems* | |
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| **SERVICE** at IBM and Microsoft | | | | |
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| 2020-2021  2019  2018-2019  2018-2019  2016-2018  2012-2019 | | | Lab Sabha Czar, Microsoft Research India.  External Recognition Lead, IBM Research India.  Patent Reviewer and Evaluator, IBM Global.  HCI PIC (Professional Interest Communities) Chair, IBM Research India.  Internship Coordinator, IBM Research India.  Volunteered at IBM demo booths in conferences (CHI 2018, COMSNETS 2018, ANTS 2012, etc.) | |
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| **MISCELLANEOUS** | | | | |
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| 2013-2014  2012-2013 | | | Teaching children how to use computers in rural Bangalore Government schools.  Teaching English to children in rural Bangalore Government schools. | |
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| SELECTED MEDIA | | | | |
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| Agriculture  [P19] | | | **The Hindu**. Karnataka tomato growers to get crop, price forecasts from IBM using AI, ML. Feb 2019.  **Business Standard.** Towards farms of the future: How AI is revolutionising agriculture in India. Mar 2019.  **IBM Newsroom**. NSTDA and IBM Research Use AI to Transform Sugarcane Farming in Thailand with Mitr Phol. Mar 2019. | |
|  | | |  | |
| UrJar  [C11, W7] | | | **ProSieben.** Featured on the documentary series *Galileo* on ProSieben (Channel 7) in Germany. 2015.  **BBC**. Old Laptop Batteries could Power Slums, IBM says. Dec, 2014.  **MIT Technology Review**. Discarded Laptop Batteries Keep the Lights On. Dec 2014.  **IEEE Spectrum**. Turning E-Waste into Light. Dec 2014.  **SlashDot**. Using Discarded Laptop Batteries To Power Lights. Dec 2014.  **The Register**.IBM Research wants laptop batteries to retire and slum it. Dec 2014.  **The Economic Times**. Old laptop batteries could power slums in India: Study. Dec 2014.  **Live Mint**. India’s digital transformation needs innovation. Mar 2015.  **Hindustan Times**. Trashed laptop batteries to power homes. Dec 2014.  **India Times**. Jugaad! Read What These Guys Did With Discarded Batteries. Jan 2015.  **NDTV**. IBM Researchers Use Dumped Laptop Batteries to Create Battery Packs. Dec 2014.  **BGR**. Discarded laptop batteries to create an emergency lighting system. Dec 2014.  **Newsweek**. Old Laptop Batteries Could Bring Power to India's Slums. Dec 2014.  **Uber Gizmo**. E-Waste Recycled, Delivers Power In Second Life. Dec 2014.  **Business Today**. Trashed laptop batteries to power homes. Dec 2014. | |
|  | | |  | |
| DISHA  [C1, W2] | | | **Microsoft Blog**. Microsoft Announces Imagine Cup 2009 Worldwide Winners. July 2009. | |
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