

MOHIT JAIN

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Researcher and builder of AI health systems that ship and scale.

From smartphone-based diagnostic systems acquired and commercialized by industry, to agentic AI chatbots serving 15,000+ frontline health workers and 20,000+ patients. 15+ years of work experience across Microsoft, Amazon, and IBM, with 19 patents, 70+ peer-reviewed publications, and featured in BBC, MIT Technology Review, and leading Indian media. Extensive collaborations with hospitals, NGOs, academia, and government.

SELECTED PROJECTS

SmartKC: Low-cost smartphone-based corneal topographer for diagnosing keratoconus.



- Conducted clinical trials at Sankara Eye Hospital, achieving high sensitivity (94.1%) and specificity (100%).
- SmartKC became **Remidio InstaKC**, India's first smartphone-powered keratoconus detection product (2025).

Expert-in-the-Loop Bots: Agentic AI system that provides answers verified by experts.



- Deployed multiple expert-in-the-loop use cases: CataractBot, OncoBot, ASHABot (health workers), DRBot.
- CataractBot answering cataract-surgery queries scaled to 6 hospitals, 20k+ patients, answered 35k+ queries.
- ASHABot answering frontline health worker queries scaled to 15k+ workers in 2 states, answered 1M+ queries.
- Presented 1:1 to **Satya Nadella** (2025) and **Bill Gates** (2026).

Seismo: Smartphone-based blood pressure sensing without any external attachments.



- Conducted clinical trials across age groups, in varied settings, achieving an RMSE of 5.2 ± 2.0 mmHg.
- Part of **Senosis Health**, which was acquired by **Google** (2017).

Energy Sustainability Projects:



- Urjar**: Turned discarded laptop batteries into low-cost lighting for energy-poor homes.
- KBFSC**: Energy solution to increase power availability, reduce fuel consumption, and minimize user inconvenience.
- Received **IBM Outstanding Technical Achievement Award** (2016), IBM Research Division Award (2015), IBM Outstanding Equity Award (<0.1% of IBMers) (2018), and **Aegis Graham Bell Award** (2018).

MeDxAgent: Multi-agent framework for interactive medical diagnosis. Deployed at SGPGIMS hospital.



Medical Imaging: Analyzing cataract surgery videos to detect phase, tool, and complication.



Chatbot Design: Designed context view (**Convey**), repair strategy for conversational breakdown (**ResilientBot**), and voice agent for farmers (**FarmChat**).



- Won the DFS Tech Chatbots Challenge (2017).

DISHA: A public health information platform for children in low-income regions using multiple mice.



- Won MultiPoint Education Award in Microsoft **Imagine Cup World Finals**, Egypt (2009).

WORK EXPERIENCE

2019-Present	Principal Researcher	Microsoft Research, India
2012-2019	Senior Research Engineer	IBM Research, India
2011-2012	Software Development Engineer	Amazon, US

EDUCATION

2015-19	Ph.D.	Computer Science & Engineering	University of Washington, US	GPA: 3.94/4.0
2009-11	M.S.	Computer Science	University of Toronto, Canada	GPA: 4.00/4.0
2005-09	B.Tech	Information & Comm Technology	DA-IICT, India	GPA: 9.61/10. (Bronze Medalist)

MISCELLANEOUS

- Top Reviewer (NeurIPS'26) | Paper Chair (CHIWORK'24) | Publicity Chair (UbiComp/ISWC'14) | PC (CHI, IUI, etc.).
- 19 patents | 16 journal papers | 55 conference papers | 10 Best Paper and Honorable Mention Awards.
- Skills**: LLM and agentic systems | Mobile and health sensing | Human-centered AI | Computer vision for medical imaging | Technical leadership and cross-functional partnerships (clinicians, NGOs, academia, government).