Saumya Jetley

AI/ML Research, Product and Strategy | DPhil, University of Oxford

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Blending technical expertise and product vision with excellent project management skills I am passionate about driving frontier AI Innovation for large-scale societal impact

■ Professional Experience

Chief AI Officer @ Vitally Health (U.S.) | HealthTech [2024-25] Agile product lead from conception to deployment of 2 core AI solutions across mobile & web for chronic cardiovascular care delivery, handling roadmap to post-release analytics & CI/CD with cross-functional focus

Associate director, AI/TechEd Programs @ Plaksha University (India) | [2021-23] Founding member of AI-first Tech university & amongst first 5 hires of VC team, leading design and launch of cutting-edge TechEd programs in CS, AI, Data Science and Technology leadership.

Developed research and industry agenda conceptualising first two Research Centres in Digital Agriculture, and Digital Water Management; Twice Co-chair of global Conference on AI

Applied AI/ML scientist @ INRIA - Paris Saclay (France) [2019-21] Designed and deployed frontier ML solutions across healthcare and e-labour market including,

Differentially-private risk prediction solutions for ~1M patients db | Discoverability, matching & causal models to handle job market congestion on QAPA platform of 4.5M userbase

AI/CV scientist @ FiveAI (U.K.) | Self-driving systems [2019] Robust & Safe AI for scene recognition through novel deep neural architecture design, and adversarial data augmentation for large-scale training of vision models

Managed production support leading up to FiveAI's self-driving car launch in London, Oct. 2019

R & D Engineer @ Centre for Development of Advanced Computing (India) [2011-14] Engineered ML solutions for document recognition and text extraction integrated within national survey kits and Government of India's archival softwares

■ Skillset

PM skills Transforming data-driven user feedback & domain knowledge into product specs & scoping | Tools - Confluence, Jira, Miro, Trello | Style - Agile, standups/whiteboards, Kanban

Technical Python, C++, Matlab | ML - scikit-learn, pytorch, openCV, pandas, matplotlib | mySQL, dynamoDB | Cloud platforms - AWS, Dataiku

Languages English (Native) | French (B2)

■ AI & Community Leadership

Open innovator @ iSPIRT with India stack mission for AI Innovation where I help drive the Life Sciences and Healthcare thrust area; MeiTY startup-hub and KaggleX advisor; Invited speaker at multiple technical events and workshops incl. EF London, Wadhwani AI, Infinity 2.0

■ Education

DPhil, University of Oxford with **Industry internship at XRCE** [2015-19]

I built SOTA deep neural architectures for a range of image understanding tasks including zero-shot object recognition, real time video segmentation, sponsored by EPSRC & US DoD

My work covers Interpretability in CNNs | mechanistic **understanding of adversarial attacks** to CNNs | one of the first application of **attention modules to CNNs**

5 first-author papers incl. NeurIPS, ICLR, 1200+ citations, 1 US Patent, multiple forks on github

BTech, University of Pune with **Industry internship at CDAC** [2006-10]

Majored with Distinction in Electronics & Telecommunications, minor in signal processing and digital image processing

My thesis project on computer vision algorithms for motion & hand gesture recognition implemented in Matlab won the BTech industry award & the CoEP Technical prize 2010