



Girish Gupta

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Work Experience

Chief Technology Officer, Deepnews

April 2020 –

- Led machine learning and tech development as well as business strategy with founders
- Built algorithms using natural language processing techniques including word embeddings, convolutional, recurrent neural networks, etc.
- Built a streaming service to parse, score and store hundreds of thousands of articles every day, queryable in small fractions of a second, as well as an efficient architecture for the entire platform.

Head of Data Science, IDFC Institute, Mumbai

May 2019 – May 2020

- Created a solid, broadly-skilled data science unit at a public policy non-profit think/do tank—funded in large part by the Rockefeller, Gates and Ford Foundations.
- That team conducted and published research, built platforms and advised government on urban mobility, open-source mapping, privacy/data governance and COVID-19.
- Liaised with U.S. funders, senior Indian officials and academics.

Founder/Chief Executive Officer, Data Drum, Inc.

May 2018 – April 2020

- Created a U.S. C corporation (with *Stripe Atlas*) and platform providing automated, clean and elegant economic data. Held fully automated figures on half a dozen countries.
- Led developers, economists and regional experts. Met with potential customers and investors.
- Created backend databases and website. Managed mobile apps, API, Google Sheets and Microsoft Excel add-ins (highlighted at Microsoft developers' conferences) and data acquisition.

Creator, Venezuela Econ (absorbed into *Data Drum, Inc.*), **based in Caracas**

December 2014 – April 2018

- Created the go-to data platform on one of the world's most opaque countries.
- Wrote iOS/WatchOS, Android and web apps, as well as an API.

Senior Correspondent, Reuters, **based in Caracas**

June 2015 – May 2018

- Produced groundbreaking investigations, including exclusive reporting that the results of a national Venezuelan election were fabricated; secrets about the country's military, including surface-to-air missile inventories and lists of soldiers arrested for treason and rebellion; that the country's Chief Justice was arrested on suspicion of murder; and high-level, multi-billion dollar corruption at Venezuela's state oil company.
- Produced text, photos and TV on Venezuela's hyperinflation, social decay, food riots and protests.
- Reported in Iraq and Afghanistan, as well as across the Americas.
- Wrote software to automate story-writing, data-gathering and admin.
- Coordinated on-the-ground and digital security in an extremely hostile environment.

Freelance foreign correspondent, Reuters, New Yorker, New York Times, TIME, BBC..., **based in Caracas**

October 2010 – May 2015

- Produced text, photos, video and radio in Venezuela, as well as Brazil, Colombia, Cuba, Ecuador, Egypt, Guyana, Jordan, Lebanon, Peru, and Mexico, for more than 40 major news outlets.

- Covered the cancer, election and death of Venezuela's Hugo Chávez, the messy transition to Nicolás Maduro's rule and the crisis that followed, including daily violent unrest.
- Investigated diamond smuggling from illegal jungle mines in the Amazon, Glencore profiting from a Colombian paramilitary massacre and killing of wildcat gold miners linked to a multinational there.
- Conducted on-the-ground investigations for *Control Risks*, *K2 Intelligence* and *Ergo*.

Officer Cadet, Manchester and Salford Universities Officers' Training Corps (British Army)

September 2007 – July 2008

- Training in first aid, weapon handling, drill, leadership, fieldcraft and military tactics.

Creator, Music Goes On, Ltd., England

May 2000 – November 2001

- Built a music website listed by *MTV* as one of the web's top 20 sources.

Formal Education

Physics (MPhys) at University of Manchester, England

September 2006 – June 2010

- Abstract to Master's project—a computer simulation (in C) of the heart exploring atrial fibrillation—published in the *Proceedings of The Physiological Society*.
- Bachelor's project on negative index of refraction; first year essay on the physics of music.

Natural Sciences: Math, Physics, Chemistry and Geology at King's College, Cambridge University, England

September 2005 – June 2006

Other Stuff

Courses: Deep Learning Specialization 2020 *deeplearning.ai/Coursera*

Hostile Environment Training 2015 *Hawthorne/Reuters*

Surviving Hostile Regions 2012 *AKE/Rory Peck*

Side-Projects: According to Documents 2020 Highlight document-based investigative reporting.

Readwise2Roam 2020 Convert *Readwise* book and article highlights to *Roam* notes.

GlobalOTP 2019 Forward text messages to email. PHP, Firestore, Twilio, Stripe.

Code: C, C++, Java, Swift, PHP, Python, R, MATLAB, SQL, HTML, JavaScript.

Server: AWS (Lightsail, EC2, RDS, SES, Route 53).

GCP (Compute Engine, App Engine, Cloud Run, Cloud SQL, Firestore).

Languages: English, Spanish, Hindi/Urdu, basic French and Arabic.

Interests: Science, math and their history. Health and fitness. Photography. Travel. Music.

Online: Website, Twitter, LinkedIn, GitHub, Angellist.