

Kartik Kwatra

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SUMMARY

A rigorous, task-driven professional with about 4 years 10 months of experience in the field of data science across the full data pipeline - project scoping & defining the problem, data identification and acquisition, data cleaning & wrangling, analysis and productionising. Proficient in R, Python, Javascript, SQL and geospatial methods.

EXPERIENCE

HowIndiaLives, Delhi — Project Manager & Data Professional

AUG 2018 - PRESENT

- Led the design and development of [Data Vantage](#), a data product of Singapore based media company DealStreetAsia to track VC funding from regulatory data.
- Created custom datasets, analysis and dashboards marshaling multiple data sources for clients such as Hindustan Times, Mint, YouGuv, NCDHR, Moneycontrol etc.
- Worked on creating a large scale geospatial database marrying booth level election data and demographic data (such as population, caste structure etc) together using geospatial methods in PostGIS for a national political party.
- Authored two data journalism pieces based on in depth analysis of [demographic data](#) and [farm produce data](#).
- Developed internal data product prototypes using Vue Js & Express Js.

Kheti Virasat Mission, Punjab — Project Coordinator

NOV 2016 - AUG 2017

- Led a NABARD project managing a water conservation campaign, coordinating with about 50 team members in 3 districts on data collection of village water resources.

Timbuktu Collective, Andhra Pradesh — MIS Coordinator

MAY 2016 - NOV 2016

- Operationalised the MIS system. Trained field staff on collection of spatio-temporal data on crops sown and GIS Mapping of landholding of approx 1500 member farmers.
- Analyzed sown area data to forecast yields.

EDUCATION

Azim Premji University, Bangalore — MA in Development

2014 - 2016

MMEC, Ambala — B.Tech in Computer Science and Engineering

2008 - 2012

TECH STACK

Data Processing - R, Python

Data Visualisation - D3.js, Tableau

Data scraping & Browser Automation - Python, node js (Puppeteer)

Databases - PostgreSQL, MySQL, Neo4j (Graph Database), NoSQL cloud stores

Data Modelling - scikit-learn, PyMC (Bayesian)

Geospatial Processing & Analysis - PostGIS, QGIS

Web Development - Vue.js, Nuxt.js, Express.js

Cloud Infra - Digital Ocean, Google Firebase, AWS Lambda

SKILLS

Adept at problem solving along with ability to learn requisite new skills/methods/technologies on the fly.

Bayesian data modeling and inference.

Classical ML modeling.

Geospatial data and maps processing.

Lead project teams and work collaboratively.

Data Visualisation - [sample](#).