

Kartik Chincholikar

Pune, Maharashtra, India

kartik.niszoig@gmail.com

+919922821694

[linkedin.com/in/kartik-chincholikar-a237a7299](https://www.linkedin.com/in/kartik-chincholikar-a237a7299)

<https://kartikchincholikar.github.io/>

Summary

hey! I'm Kartik. I will help you make the most out of data and domain knowledge.

I have 1 year of experience in data science and machine learning and 5 years of experience in educational video making (simplifying and communicating technical concepts using short videos)

I'm skilled in:

- Google Cloud Platform (GCP)
- data scraping
- exploratory data analysis (EDA)
- using domain knowledge for data cleaning and massaging
- feature engineering and feature selection
- model selection, evaluation and maintenance
- Bayesian modelling
- statistical learning theory
- Deep learning: equivariant neural networks, graph neural networks, computer vision, natural language
- processing and evaluating the feasibility of deep learning solutions.
- Adobe Creative Suite: Photoshop, Premiere Pro

Career highlights:

- My educational videos on AI/ML have been acknowledged by professors and leading researchers at Qualcomm AI Research, the University of Waterloo, the University of Amsterdam, the University of Chicago and the University of Oxford.
- I taught the basics of badminton on YouTube, reaching 2.5 million viewers and garnering 34,000 subscribers at Badminton School, a sports analytics startup.

Experience



Associate Researcher

Equitech Futures

Mar 2022 - Present (1 year 9 months)

We identified the factors that increase the risk of chemotherapy-induced nausea and vomiting (CINV) in breast cancer patients. Despite a small dataset size, the risk factors found corroborated with existing literature.

I made novel contributions to the Inclusion Criteria and the Data Cleaning procedure, making better use of domain knowledge to allow fine-tuned treatment.

Work done in collaboration with Oncology Department at the Kenyatta National Hospital, under the guidance of Bhasi Nair and Abhilash Mishra.

Machine Learning Educator

Youtube

Jan 2020 - Present (3 years 11 months)

Simplifying technical AI/ML concepts into short videos using visualizations, animations and simulations:

<https://www.youtube.com/channel/UCq5hj2YogHxCqqyjou2i8A>

My work has been acknowledged by Professors and leading AI Researchers from Qualcomm AI Research, the University of Waterloo, the University of Amsterdam, the University of Chicago and the University of Oxford.



Teaching Assistant

Equitech Futures

Mar 2022 - Nov 2022 (9 months)

Assisted students with their assignments on Python Foundations, Data Cleaning, Data Visualization, and Bayesian Modelling.

Had insightful discussions on evaluating the feasibility of AI solutions for various specific domains.

Sports Analyst and Coach

Badminton School

Sep 2017 - Jan 2021 (3 years 5 months)

- Built an annotation tool to manually collect the data of the badminton player to be analyzed.

- Derived insights from sequential data to find common "Patterns of Play". These patterns can be exploited during the crucial moments of a match. Used modelling techniques such as Markov Chains, Beam Search, RNNs and GRUs.

- Taught the basics of Badminton on YouTube, reaching 2.5 million viewers and garnering 34,000 Subscribers:

<https://www.youtube.com/@BadmintonSchoolHINDI>

- Coached beginner and intermediate badminton players of all ages



Android Developer

Sport Shack

Mar 2016 - Dec 2017 (1 year 10 months)

Built an Android app using GCP and Firebase, which enabled runners to share post-run photos and screenshots with friends.

Implemented a gamification system to motivate runners to train consistently.

Education



Maharashtra Institute of Technology

Bachelor of Engineering - BE, Mechanical Engineering

2012 - 2016



Savitribai Phule Pune University

Bachelor of Engineering - BE, Mechanical Engineering

2012 - 2016

Skills

NumPy • Matplotlib • Pandas (Software) • YAML • Scikit-Learn • PyTorch • Statistics • Google Cloud Platform (GCP) • Presentation Skills • Oral Communication