

PARTHA KADAMBI

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PROFILE

- Interests: Machine Learning Engineering, Data Science, Natural Language Processing, Behavioral Science
- Skills: Data Mining & ETL, Applied ML & Deep Learning, Big Data Analytics, Data Engineering
- Technical Proficiencies: Python, Java, C/C++, SQL, R; Platforms: Azure ML, AWS, Snowflake, PySpark

EDUCATION

University of Chicago, Chicago, IL

MA, Computational Social Science; Concentration: Linguistics, June 2022

GPA: 4.00

Indian Institute of Technology, Kharagpur, India

MSc / BSc, Economics (Integrated Joint Degree 5-year Program), May 2020

RELEVANT COURSEWORK

- Deep Learning for Complex Social Analysis, Computational Content Analysis, Computational Linguistics II
- Large Scale Computing, Database Systems, Algorithms (Stanford Online), Java Programming
- Advanced Natural Language Processing, Computational Linguistics Seminar, Psycholinguistics

PROFESSIONAL & PROJECT EXPERIENCE

Voya Financial

Applied Machine Learning Intern, June 2021 – September 2021

- Delivered Deep Learning- & NLP-based analytics for ~350K earnings call transcripts (2B+ tokens)
- Responsible for end-to-end R&D of cloud-based pipeline; delivered novel investment signals worth \$XXM
- Implemented cloud-based solutions, parallelization, & latest advances in NLP & Deep Learning (Transformers)
- Tools & Platforms used: Pandas, NumPy, PyTorch, Transformers, SpaCy, Azure ML, Snowflake

University of Chicago, Chicago, IL

ML Researcher & Open-Source Contributor (independent), October 2020 – Present

- Published 10+ Transformer DL models for social profile analysis - available on Transformers Python library
- Developed custom vision, language & multimodal models for personality analysis of social profiles (Twitter)
- Developed largest social media dataset of its kind (~2M tweets); working paper & data available on request

Accenture UK, IBM India, DXC Technology, & others

Independent Consultant, Cognitive Insights into Personality, Summer 2019 & December 2019

- Delivered training sessions for senior leadership for technology MNCs on learning and decision-making styles
- Trained teams on personality self-assessment and recognition of personality types in the workplace

Deloitte Consulting, Bengaluru, India

Management Consulting Intern, May 2018 – July 2018

- Worked on live engagement with a leading Global FMCG client as part of Strategy and Operations
- Created discussion document for roundtable for 100+ top CFOs and CIOs in India, from the ground up
- Developed strong communication and teamwork skills; Received placement offer reflecting outstanding work

RESEARCH EXPERIENCE

Indian Institute of Technology, Kharagpur, India

Master's Thesis Project – Effect of social distance on social preferences, August 2019 – April 2020

- Published ML-based online behavioral study on influence of social factors on economic preferences
- Implemented cloud-based (AWS) platform for study & conducted data analysis using Python & STATA

Centre for Behavioral and Cognitive Sciences, Allahabad, India

Behavioral Science Research, May 2019 – June 2019

- Built online cog-sci experiment with Python, JavaScript, & AWS to understand small-stakes risk aversion
- Reviewed cutting edge Bayesian approaches to cognitive modelling of decision making to form hypothesis