PARTHA KADAMBI

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PROFILE

- Interests: Machine Learning Engineering, Natural Language Processing, Data Science, Behavioral Science
- Skills: Data Mining & ETL, Applied ML & Deep Learning, Big Data Analytics, Data Engineering
- Tools: Python, Java, PyTorch, Tensorflow, Spark, MPI, Hadoop, SQL; Platforms: Azure, AWS, Snowflake

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 (long-term), June 2021 – December 2021 (tentative)

- 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 parallelization, algorithmic optimizations, & latest advances in NLP (Transformers)
- Tools & Platforms used: Pandas, NumPy, PyTorch, Transformers, SpaCy, Azure ML, Snowflake

University of Chicago, **Chicago, IL**

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

- Developed 10+ Transformer & Vision models for social profile analysis – to be published on Hugging Face
- Built SoTA custom & transfer-learning based models for personality analysis of social profiles (Twitter)
- Curated 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 at 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 – 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