Jayanta Mandi

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Summary

Doctoral Researcher in Data Mining and Constraint Optimization
Data Scientist at PwC, India (2017-18), Authored publications at reputed journals and conferences

Education

2018–Present — **PhD, Data Mining & Optimization** , *Vrije University Brussels*,
Promoter: Prof. dr. Tias Guns, co-head of the Data Analytics Lab,
Area: Data Mining, Machine Learning, Constraint Optimization.

2015–2017 — **Masters Degree, Business Analytics**, *GPA: 9.04/10*,
Indian Institute of Management, Calcutta ,
Master's Thesis: Early Warning System to identify Earnings Management in stressed firms.
Advisor: Prof. Ashok Banerjee, Faculty-in-charge, The Financial Research and Trading Laboratory, IIM Calcutta

2009–2013 — **Bachelor of Technology, Electronics & Electrical Communication Engineering**,
Indian Institute of Technology, Kharagpur, GPA: 8.14/10.

Experience

June 2017–November 2019 — **Data Scientist**, PRICEWATERHOUSECOOPERS.
- Worked on Conversational Agent, User feedback based learning to improve chat experience
- Developed framework to quantify risk in legal documents, distributed representations of text using Doc2vec
- Worked on Deep Learning based OCR to identify Vehicle ID
- Random Forest model to identify parameters responsible for yield reduction in a steel plant
- Fast Moving Consumer Goods Visual Analytics Framework to enable better decision making for the management

November 2013–June 2015 — **Instrumentation & Control System Engineer**, BHARAT HEAVY ELECTRICALS LTD..
- Supervised the commissioning activities of steam-turbine and compressor at client sites
- Project management and execution by coordinating techno-commercial discussions with all stakeholders

Publications

D. Chakrabarti, N. Patodia, U. Bhattacharya, I. Mitra, S. Roy, J. Mandi, N. Roy, and P. Nandy. Use of artificial intelligence to analyse risk in legal documents for a better decision support. In *TENCON 2018 - 2018 IEEE Region 10 Conference*, pages 0683–0688, Oct 2018.

Manisha Chakrabarty and Jayanta Mandi. *Entropy-Based Consumption Diversity—The Case of India*, pages 519–540. Springer Singapore, Singapore, 2019.

Newspaper Articles

2017 — **Earnings management in stressed firms**, *A. Banerjee, J. Mandi, D N Mukherjee*, Business Standard.

Selected Honors & Awards

2015 — **Endowed with cash scholarship for academic excellence**, *(SGPA > 9.5)*, Indian Statistical Institute.

2016 — **Finalist, Data Science Game**, *1 out of 20 International teams to qualify for the Final*.

2007 — **NTSE scholarship award**, *Selected through competitive nation-wide examination*.

Skillsets

Programming Languages: Python,R,C,SQL **Frameworks**: PyTorch, GurobiPy, OR-Tools
Communication: English(SRW), Bengali(SRW), Hindi(SO),French(SO)