

## **Optimization Specialist**

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Research Interests     Theoretical Computer Science.     Operations Research.			
		Education	
		The Technion – Israel Institute of Technology	Haifa, Israel
DOCTOR OF PHILOSOPHY	July 2021 – December 2024		
Advisor: Prof. Asaf Levin			
The Technion – Israel Institute of Technology	Haifa, Israel		
MASTER OF SCIENCE	March 2019 – July 2021		
Advisor: Prof. Asaf Levin			
National Institute of Technology	Tamil Nadu, India		
MASTER OF TECHNOLOGY	June 2013 – May 2015		
University of Kerala	Kerala, India		
BACHELOR OF TECHNOLOGY	MAY 2008 – JULY 2012		
Professional Experience			
Optym			
OPERATIONS RESEARCH SCIENTIST	January 2025 - Present		
• Contributed to the development and roll out of Optym's state-of-the-art railway	scheduling system.		
Publications			
<ol> <li>G. Jaykrishnan and A. Levin. EPTAS for load balancing problem on parallel mach Optimization, 48:100775, 2023</li> </ol>	ines with a non-renewable resource. <i>Discrete</i>		
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- 2. G. Jaykrishnan and A. Levin. EPTAS for parallel identical machine scheduling with time restrictions. *Journal of Combinatorial Optimization*, 47(2):10, 2024
- 3. G. Jaykrishnan and A. Levin. EPTAS for the dual of splittable bin packing with cardinality constraint. *Theoretical Computer Science*, 979:114202, 2023
- 4. G. Jaykrishnan and A. Levin. Scheduling with cardinality dependent unavailability periods. *European Journal of Operational Research*, 316(2):443–458, 2024
- 5. G. Jaykrishnan and A. Levin. APTAS for bin packing with general cost structures. *Theoretical Computer Science*, 1055:115510, 2025

Technical skills \_\_\_\_\_

- Languages: Python, C++, C#, LaTeX
- Libraries: CVXPY, CVXOPT, PyTorch, PyG, DGL, PyTorch Lightning, Hydra
- MLOps: Git, DVC, GitHub, Docker, Google Cloud Platform, CI/CD