

ABHINAV MALASI, PH.D., MBA

Based in Luxembourg and will be relocating to Belgium in May 2021.

I am a positive thinker, a creative problem solver with an analytical mindset having 8+ years of experience in data analytics, resource management, and training people. During this time, I gained experience in process improvement, prioritizing in fast paced environment, and stakeholder management. I am currently seeking opportunity to utilize my existing skills in a new role where I can develop and deliver value.

PROFESSIONAL EXPERIENCE

- 02/2021

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Contributing writer, Freelance
Towards Data Science, Medium Publication

Remote
- Creating content on data visualization, data analytics, and machine learning.
 - All coding done in R.
 - Providing code snippets for fast implementations.
- 02/2020
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06/2020

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Business Analyst, Intern
Goodyear

Dudelange, Luxembourg
- Identified 44 processes for digitalization, resulted in 3 implementations and 2 pilots.
 - Developed, implemented, and trained 2-level password protected quality checklist in Excel-VBA with 5x efficiency.
- 02/2019
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01/2020

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Business Deployment, Intern
ArcelorMittal

Luxembourg City, Luxembourg
- REACH database created for 500+ raw materials supplied by 200+ suppliers.
 - Developed the REACH compliance check pipeline and an operational manual for the business.
 - Trained the back office, contract management, and buying teams on using the REACH operational manual.

RESEARCH EXPERIENCE

- 2020
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Present

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R Projects
Self-learning

Luxembourg
- Develop sales and marketing strategy for Online retail store data of a UK company (data source: UCI data repository).
 - Automate the bank loan approval process (data source: Kaggle).
 - Coded Neural Network from scratch to create digit recognizer on MNIST dataset.
- 2010
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2015

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Graduate Research Assistant
University of Tennessee Knoxville

Knoxville, USA
- Good organization skills got 11 projects completed, with 16 deliverables (reports and presentations).
 - Developed and improved forecasting model in MATLAB to capture material's optical properties with >85% accuracy.
 - Advanced analytical skills with attention to details helped secure \$ 300k in ARO funds for Ferroplasmon research.
- 2008
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2010

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Research Assistant
Indian Institute of Technology Kanpur

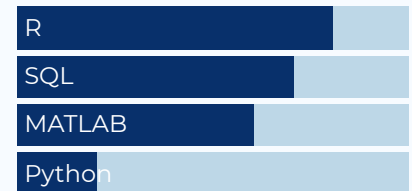
Kanpur, India
- Fabricated and calibrated an adhesion testing device for an industrial project.
 - Investigated the underwater adhesion properties of various viscoelastic polymers.



CONTACT INFO

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twitter.com/malasi_abhinav
📞 +352 691 207 783

LANGUAGE SKILLS



OTHER RELEVANT SKILLS

Data visualization
Mathematical modeling
Statistical analysis
Process improvement

- 2007
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2008
- **Graduate Assistant**
Indian Institute of Technology Kanpur 📍 Kanpur, India
 - Simulated and optimized the industrial production of Nylon 66 using genetic algorithm by implementing in FORTRAN.
 - Increased the yield of Nylon 66 by 5% on implementing rotary kiln reactors.



TEACHING EXPERIENCE

- 2021
- **Introduction to R Language for Beginners**
Teaching basic of R for data analytics as a freelancer 📍 Remote
- 2014
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2015
- **Principles of Materials Lab.**
Laboratory assistant of MSE 304 course at UTK 📍 Knoxville, USA
- 2012
- **Process Design and Economic Analysis**
Teaching assistant of CBE 490 course at UTK 📍 Knoxville, USA
- 2011
- **Chemical and Bioengineering Reactor Fundamentals**
Teaching assistant of CBE 450 course at UTK 📍 Knoxville, USA



EDUCATION

- 2018
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2020
- **Sacred Heart University, Luxembourg**
MBA in Strategic management and Finance 📍 Luxembourg City, Luxembourg

Capstone: Develop business plan to market IoT trackers, CHAMP Cargosystems Luxembourg
- 2010
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2015
- **University of Tennessee at Knoxville, USA**
Ph.D. in Chemical Engineering 📍 Knoxville, USA

Thesis: Symbiotic plasmonic nanomaterials: Synthesis and properties
- 2003
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2008
- **Indian Institute of Technology Kanpur, India**
Dual degree in Chemical Engineering 📍 Kanpur, India

Thesis: Simulation and optimization of the solid state polymerization of Nylon's in a rotary kiln



CERTIFICATIONS

- 2020
- **Dimensionality Reduction in R**
DataCamp
- 2020
- **Feature Engineering in R**
DataCamp
- 2020
- **Tableau 10 & 2019 for business intelligence**
Udemy
- 2020
- **Machine learning**
Stanford University @ Coursera
- 2019
- **SQL Fundamentals Track**
DataCamp
- 2018
- **Intermediate R**
DataCamp
- 2018
- **Data Manipulation in R with dplyr**
DataCamp