

# Sabin Hashmi

PhD Researcher in Machine Learning

DOB : 10th Oct, 1995

Krakow, Poland

✉ [sabinhashmii@gmail.com](mailto:sabinhashmii@gmail.com)

🔗 [Linkedin.com/in/sabinhashmi](https://www.linkedin.com/in/sabinhashmi)

🔗 [GitHub.com/sabinhashmi](https://github.com/sabinhashmi)

## Scientific Interests

- Data Analytics
- Machine Learning
- Deep Learning

## Skills

- Python(Numpy,Pandas,Scikit-Learn)
- PyTorch and Tensorflow
- C++
- Git
- SQL
- Tableau
- Flutter and Dart
- Pattern Recognition
- Predictive Modeling
- Fraud Detection
- Customer Segmentation
- COMSOL Multi-Physics
- ROOT Framework

## Current Project and Education

Oct. 2020 – Present **Building Machine Learning based Trigger System**

LHCb, CERN, Geneva, Switzerland

Oct. 2020 – Present **Ph.D Researcher (Machine Learning in Particle Physics)**

AGH-University of Science and Technology, Poland

## Experience

Mar. 2021 – May. 2021. **Junior Data Scientist (Intern)**

KopKopi, Gdansk, Poland

Business Optimisation and Research

Sept. 2020 – Oct. 2020. **Business Intelligence Analyst (Intern)**

Visual BI Solutions, Chennai, India

Financial Analytics

Aug. 2020 – Sept. 2020. **Teaching Assistant (Intern)**

Quantum Computing India, Bangalore, India

Apr. 2019 – Aug. 2019. **Academic Mentor**

Experient Science Labs, Bangalore, India

Building IoT Device Prototypes, Designing Scientific Curriculum.

May. 2017 – Jun. 2017. **Research Intern**

Indian Institute of Information Technology and Management, Gwalior, India

Project - Pressure Induced Phase Transition in Fe-Doped ZnO: Ab-Initio Analysis.

May. 2016 – Jun. 2016. **Research Intern**

Central Leather Research Institute, Chennai, India

Project - Study on interaction of micro molecules with protein using different spectroscopic techniques.

## Education

Oct. 2020 – Present. **Ph.D Researcher**

**AGH-University of Science and Technology, Krakow,  
Poland**

*Specialisation : AI and ML Applications in Particle Physics*

Aug. 2019 – Feb. 2020. **Post-Graduate Diploma in Data  
Science and Engineering**

**Great Lakes Institutes of Management, Bangalore,  
India**

*Project : Customer Profiling for Loan Optimisation for Bank  
Systems.*

Aug. 2013 – Jul. 2018. **Integrated Masters in Physics**

**Central University of Tamil Nadu, Thiruvavur, India**

*Thesis : FEM - Microwave Diathermy*

## Publications and Conferences

- Pattern Formation of Dried Droplets of Milk During Different Processes and Classifying them using Artificial Neural Networks.  
[doi.org/10.1080/01932691.2021.1880927](https://doi.org/10.1080/01932691.2021.1880927)
- XXVIII Cracow Epiphany Conference 10-14 Jan. 2022

## Projects

- Building Advanced Machine Learning Models for High-Level Trigger Systems, LHCb
- Dried Droplet Pattern Recognition using Artificial Neural Networks.
- Customer Profiling for Loan Optimisation for Bank Systems.