

# Kishankumar BHIMANI

## SKILLS

### PROGRAMMING LANGUAGES:



### TECHNOLOGIES:



### OTHER SOFTWARE/TOOLS:



SOFT SKILLS: Team Player • Bias for Action • Deliver results • Strategic • Maximizer

## PERSONAL DATA

FULL NAME: Bhimani Kishankumar Rameshbhai  
DATE OF BIRTH: 09<sup>th</sup> July 1995  
GENDER: Male  
NATIONALITY: Indian | Passport No: P2175886  
PRESENT ADDRESS: Bolshaya Pereyaslavskaya Ulitsa, 50c1,  
Moscow, Russian Federation - 129110  
PERMANENT ADDRESS: 111, Lakdawala Darwaja, Pipla Vadi  
At-Badanpar, Ta-Jodiya, Dist-Jamnagar  
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GITHUB: <https://github.com/MrBhimani>



## WORK EXPERIENCE

NOVEMBER 2021 – PRESENT      Research Assistant, School of Data Analysis and Artificial Intelligence  
Faculty of Computer Science, Higher School of Economics, Moscow

NOVEMBER 2021 – APRIL 2021      Internatioanl Sales Advisor (Coordinator) , Export Department,  
Varmora Granito Pvt. Ltd. (Varmora Group), India

AUGUST 2019 – MAY 2021      Assistant Professor , Information & Communication Technology,  
Marwadi Education Foundation (Marwadi University), India

## EDUCATION

NOVEMBER 2021 – PRESENT      Ph.D. (2<sup>nd</sup> Year) , Faculty of Computer Science,  
Higher School of Economics, Moscow | Advisor: Prof. Attila K. FARKAS  
Thesis: "Exact p-value calculation for high resolution Tandem Mass Spectrometry data."

JULY 2017 – APRIL 2019      Master of Technology , Control and Automation,  
Vellore Institute of Technology, India | Advisor: Prof. Monica M. SUBASHINI  
Thesis: "Automatic Bird Deterrent and Repellent System for Airfield." | CGPA: 8.39/10.0

SEPTEMBER 2018 – JUNE 2019      Research Exchange Internship , Automation and Mechatronics,  
Saint Petersburg Electrotechnical University "LETI", Russia  
Advisor: Prof.Anastasia D. SKAKUN | CGPA: 4.8/5.0

JULY 2012 – JUNE 2016      Bachelor of Engineering , Instrumentation and Control,  
Gujarat Technological University, India | CGPA: 7.28/10.0

## ACHIEVMENTS & SCHOLARSHIPS

DECEMBER 2022 | Bootcamp Hackathon | Machine Learning From Scratch 2022 (2<sup>nd</sup> Runner Up) | [Certificate](#)

APRIL 2019,2021,2022 | Open Door: Russian Scholarship Project (3-times Winner) | [Certificate](#)

MAY 2019 | Study Abroad Scholarship: VIT University (Travel grant)

## PUBLICATIONS

- ARTICLE | Kertesz-Farkas A., Adoquaye Acquaye F. L. N., Bhimani K., Eng J. K., Fondrie W. E., Hoopmann M. R., Lin A., MacCoss M. J., and Noble W. S. (2022). "The Crux toolkit for analysis of bottom-up tandem mass spectrometry proteomics data." Cold Spring Harbor Laboratory. | [Paper](#)
- | S. Manna, S. Ghildiyal and K. Bhimani, "Face Recognition from Video using Deep Learning," 2020 5th International Conference on Communication and Electronics Systems (ICCES), 2020, pp. 1101-1106, | [Paper](#)
- | G. R. V. Ponce, K. Bhimani, J. A. Prakosa and M. A. B. Alvarez, "Pattern Recognition Through Digital Image Processing for Unmanned Aerial Vehicles," 2019 IEEE XXVI International Conference on Electronics, Electrical Engineering and Computing (INTERCON), 2019, pp. 1-4, | [Paper](#)
- | S. Ghildiyal, K. Bhimani, G. Mani, M. Subashini and A. Stotckaia, "Control of Wheeled Mobile Robot Using Centroid Algorithm," 2019 Innovations in Power and Advanced Computing Technologies, 2019, pp. 1-4, | [Paper](#)
- | S. Ghildiyal, K. Bhimani and Manimozhi, "Design To Convert a Wired PLC into Wireless PLC," 6 Issue. 2321-9653,, | [Paper](#)

## TRAINING

- JANUARY 2023 Winter School on Analytics & Data Science (by HSE University)
- APRIL-JULY 2022 GoogleCloudReady Facilitator Program (by Google cloud & Qwiklabs)
- FEBRUARY-MARCH 2019 Mechatronics and Robotics (Winter School at LETI University)

## PROJECTS

1. CRUX TOOLKIT FOR MASS SPECTROMETRY DATA ANALYSIS | [Link](#)  
Open Source project to provide group of algorithms and search tools for MS-MS Analysis  
STACK: [Python](#) [HTML](#) [BOOTSTRAP](#) [C / C++](#) [Shell Script](#) [PROTEOMICS TOOLKIT & ALGORITHMS](#)
2. SOCIAL MEDIA ANALYSIS FOR VIRUS VULNERABILITY DETECTION | [Link](#)  
To provide meaningful insights about Social media analysis by crafting policy & regulations  
STACK: [TwitterBotAPI](#) [Colab](#) [EXPLORATORY & SENTIMENT DATA ANALYSIS](#) [TIME SERIES](#)
3. BIRD CONTROL ANALYSIS & REPELLENT SYSTEM FOR AIRPORTS | [Link](#)  
Technological solution for removing airborne animals and avoid plane bird strikes  
STACK: [Python](#) [IMAGE PROCESSING](#) [COMPUTER VISION](#) [ARDUINO](#) [BIRD REPELLENT & DETERRENT](#)

## LANGUAGES

- ENGLISH: Fluent      GUJARATI: Mother tongue      SANSKRIT: Intermediate  
HINDI: Professional      RUSSIAN: Basic      GERMAN: Basic

## RELEVANT COURSES & SPECIALIZATION

- DECEMBER 2022 Mathematics for Machine Learning: Specialization (3 Courses) | [Certificate](#)
- DECEMBER 2022 SQL for Data Science (by University of California, Davis) | [Certificate](#)
- AUGUST 2022 Python: From Scratch to Data Visualization (by HSE University) | [Certificate](#)
- OCTOBER 2020 AI in Healthcare: Specialization (5 Courses) | [Certificate](#)
- AUGUST 2020 Python for Everybody Specialization (by University of Michigan) | [Certificate](#)
- MAY 2020 Introduction to TensorFlow for AI, ML, and DL | [Certificate](#)
- APRIL 2020 Machine Learning by Stanford Online (by Andrew NG) | [Certificate](#)

## INTERESTS AND ACTIVITIES

Programming | Reading | Cycling | Meditation | Hosting Activities | Drama artist.