

# MOHAMMED KAMRAN

## PROFESSIONAL SUMMARY

I have over 2 years of successful experience in Machine Learning and Computer Vision. Recognized consistently for performance excellence and contributions to success in Open Source Community backed by numerous projects catering to mainly Deep Learning published on GitHub. Excellent oratory skills acquired as the School Student Council Representative.

## RESEARCH PROJECTS

**Bachelor Minor Thesis :** Big Data Analytics using R and Hadoop

- Build a Multi-Node Cluster with 2 Machines (Master and Slave)
- Implemented Map-reduce and K-means Clustering Algorithm on Kaggle Datasets
- Combined R and Hadoop into one functionality called RHADOOP using rhdfs and rmr packages

**Bachelor Major Thesis :** Vehicle Trip Discovery using GIS tools for Hadoop

- Highest number of trips with Common Origin and Destination studied
- Studied impact of Carpooling using GPS position Data
- Leveraged Hadoop for Spatial Data Analysis using Spatial Framework toolkit
- Used Geoprocessing tools to import results into ArcMap for Visualization

## ACCOMPLISHMENTS

- National Shastra Pratibha Science Award (2010)
- National Shastra Pratibha Science Award (2011)
- Award for Excellence in Academics (2011)
- Elected Student Council Representative (2012)
- Silver Medal in National Oman Badminton Cluster Tournament (2012)
- Offered Full Time Software Engineer at United Health Group (2019)

## CONTACT DETAILS



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www.linkedin.com/in/kamran-isg



https://github.com/kamranisg

## WORK EXPERIENCE

**Deep Learning Researcher - Self Employed**

July 2019 - Present

- Currently involved in various Deep Learning and Computer Vision projects
- Trained Convolutional Neural Network on CIFAR-10 dataset to classify 10 image classes.
- Built MNIST Digit Recognition System using Keras.
- Visit <https://github.com/kamranisg> for more projects.

### Training Workshop

**Social Media and Data Analytics** - Aligarh Muslim University

March 2019

- Talked with incoming Researchers from all over the country.
- Learned the effects of Social Media and its platforms on Workers, Businessmen and students.
- Coordinated schedules and assignments for volunteer staff, maximizing team efficiency and effectiveness.

### Training Workshop

**Machine Learning and Big Data Analytics** - Aligarh Muslim University

March 2018

- Conceptualized and designed abstract ideas, built plans and hands on projects using R language.
- Developed interesting tools using IBM Watson.

## ACADEMIC BACKGROUND

### Aligarh Muslim University

Bachelor of Technology in Computer Engineering, Class of 2019

- Graduated with 9.29 CPI
- Graduated magna cum laude ( Honors )
- Coursework in Principles of Machine Learning, Compiler Design and Computer Networks
- Member of Instructive Interactional Resource Unit (IIRU)
- **Thesis:** Vehicle Trip Discovery Using ArcGIS and Hadoop
- Review Research Paper titled: "**Learning Online Trends for Query Auto-Completion**".

### Indian School Al Ghubra

High School, 2013

- Maintained a 10/10 CPI
- School Ambassador of Round Square South Asia and Gulf Region's Conference at Lawrence School Sanawar Himachal Pradesh (2012)
- Member of School Badminton Team

## CORE COMPETENCIES

- Strong Knowledge of Python Programming
- Proficient in developing Machine Learning and Deep Learning Models
- Strong technical understanding of Courses like Compiler Design, Computer Networks, and Operating Systems Open Source contributor on Github and Stackoverflow
- Experience in working on platforms like Tensorflow, Keras, and OpenCV