

# Shailesh Kumar

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## EXPERIENCE

### Data Analytics Consulting Intern

theforage.com (Sep 2020 - Oct 2020)

- Implemented data quality assessment and completeness in preparation for analysis.
- Implemented high value customers targeting based on customer demographics and attributes.
- Using visualisations to present insights.

### Industrial Summer Intern

UPPCL Lucknow (Jun. 2018 - Jul. 2018)

- Field visit for "Component Identification & Working of Distribution Station".
- On-field Distribution Control Station Assistance.
- Power Theft Prevention & Energy Management.

## EDUCATION

### Maulana Azad National Institute of Technology

Bhopal, India

Master of Technology in Artificial Intelligence; CGPA: 7.83/10

2019 - Present

- Machine learning
- Computer Vision
- Data Mining
- Deep Learning
- Natural Language Processing
- Statistical Methods

### Shri Ramswaroop Memorial College of Engineering & Management

Lucknow, India

Bachelor of Technology in Electrical Engineering; Percentage: 74.14 %

2015 - 2019

- Awarded Gold Medal in B.Tech for Best Departmental Project of the year 2019.
- Electrical Machines
- Electrical Networks
- Power Electronics
- Control Systems
- Switch gear and Protection
- Power Systems

### SVM Inter College

Unnao, India

Intermediate; Percentage: 80.2 %

2013 - 2014

### SVM Inter College

Unnao, India

High School; Percentage: 82.3 %

2011 - 2012

## TECHNICAL SKILLS

- **Languages:** Python, SQL, HTML/CSS, Matlab
- **Frameworks:** Flask, Django
- **Developer Tools:** Git, Google Cloud Platform, PyCharm
- **Libraries:** PyTorch, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, OpenCV, PIL, Librosa, NLTK

## PROJECTS

- **Arduino Based Drone Technology:** Final year B.Tech. project under Prof. Gaurav Pandey(Control Systems lab) to make a multi-task low-cost circuit.
  - Developed a low-cost control circuit on drone technology to make it more robust, efficient & affordable for wide range of applications using Arduino microcontroller.
- **Blindness Detection:** Implemented some of the latest deep learning algorithms to help doctors diagnose various diseases.
  - Trained ResNet101 & ResNet152 on Blindness retinopathy dataset to classify blindness risk to prevent lifelong diseases. These models may be used to detect other sorts of diseases in the future, like glaucoma and macular degeneration.
- **GAN:** Continuous project where I implement several applications of GAN's.
  - Anime faces generation using DCGAN.
  - Generating Artworks using GANs.
- **StackOverflow Survey:** Data Analysis to explore the overall programming community. The dataset contains responses to an annual survey conducted by StackOverflow.

## ACHIEVEMENTS

- Won 2nd prize in Robo-Soccer competition in Gantavya'18, technical festival of SRMCEM Lucknow
- Won 3rd prize in HurdleMania competition in Technex'18, technical festival of IIT BHU
- Won 3rd prize in Robo-Race competition in Tech-Carnival'18, technical festival of AIMT Lucknow

## CERTIFICATIONS/COURSES

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- Deep Learning with PyTorch: Zero to GANs | Jovian.ai (Jan. 2021)
- Data Analysis with Python: Zero to Pandas | Jovian.ai (Jan. 2020)
- Machine Learning | Stanford & Coursera (Oct. 2020)
- Introduction to TensorFlow Lite | Udacity (May. 2020)
- Introduction to TensorFlow for Deep Learning | Udacity (Apr. 2020)

## POSITION OF RESPONSIBILITY

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### **Gantavya 2016 - Technical and Entrepreneurial Festival**

Aug. 2016 - Mar. 2017

*Grobots Club*

*SRMCEM Lucknow*

- Successfully organized Robo-Soccer, Robo-Race Event together for the first time in Gantavya.
- Organized workshops and Seminars for technical events.

### **Abhivyakti 2016 - Cultural Festival**

Aug. 2015 - Mar. 2016

*Security Cell*

*SRMCEM Lucknow*

- Successfully organized Xero, Starnight together and coordinated with different clubs throughout the festival in Abhivyakti.
- Promoted security awareness through seminars.

## INTERESTS

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## ADDITIONAL INFORMATION

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- CUBE SOLVING
- 3D ANIMATION
- DOING CREATIVE AND ENGINEERING WORK

- A TEAM PLAYER AS WELL AS AN ADEPT INDEPENDENT WORKER.
- ENTHUSIASTIC ABOUT IMPROVING MY SKILLS
- LOGICAL APPROACH