

# ANIKET MISHRA

**Email:** mishra1997aniket@gmail.com **Phone:** +91 7550121476

**Github:** github.com/aniket-mishra

**Linkedin:** linkedin.com/in/aniket97

**Website:** aniketm.tech

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## EDUCATION

**B.Tech in Computer Science, SRM IST**

May, 2016 – June, 2020

## EXPERIENCE

**Systems Engineer, Data and Analytics, Infosys**

**Oct 2020 – Present**

- Oversaw ETL operations of over 2000 workflows, and databases using **Informatica**.
- Assisted the client in switching databases and services with 0% data loss.
- Administered **mappings, sessions, and workflows**.

**Data Analysis Intern, Infosys**

**Jan 2020 – Mar 2020**

- Established a deeper foundation of data analytics tools in python and SQL.
- Worked using the Anaconda Distribution system and used **Numpy, Pandas, Scikit-Learn, Matplotlib**, and **Seaborn** on multiple real world datasets.
- Highest scorer in 2 capstone projects.

## PROGRAMMING PROJECTS

**Third Eye – Threat Detection System: HAC'KP-20**

**Aug 2020**

- Potential threat detection system to detect faces present in the Kerala police database.
- Cameras and Nvidia Jetson Nano was used for input and a real time alert system was designed.
- Used **opencv** with **facial-recognition** and **db-sqlite3** for implementation.

**Custom Sales Analysis – 2019**

- Link: <https://github.com/Aniket-Mishra/Sales-Analysis-and-Reporting>
- Sales Data of 2019 was obtained and an interactive report was created to assist in decision making.
- Prescribed optimal advertisement timings, best city for advertisement and product combinations.
- Used **Pandas, Plotly**, and **Seaborn**.

**Heart Failure Severity Detection**

- Predicted the severity of a heart attacks on a scale of 0 to 4 with an accuracy of 83%.
- Used **Artificial Neural Networks** using persistent instead of temporal data for better spectrum of use.
- **Keras** to build the **Neural Network**, **Sklearn** for pre-processing, **Matplotlib** for visualization.

## PUBLICATIONS:

**SRFBGAN: Super-resolution Feedback GAN**

**May 2020**

**JETIR Conference, 2020**

- Developed a novel generator architecture unique to GANs by incorporating feedback loops.
- Used **PyTorch** to build the model, PIL for image pre-processing, Scipy and Numpy.
- **PSNR: 11% lower** and **SSIM: 6% lower** compared to other state-of-the-art models on average.

## CONFERENCES / HACKATHONS:

- **Best Research Paper** award, **RCICD, 2020** May 2020
- Top Qualifiers, **HAC'KP 2020** Aug 2020
- Smart India Hackathon Participant, **SIH 2020** June 2020
- Winner, 1<sup>st</sup> position, Robotics Competition (Arduino), SRM University Mar 2018

## Technical Skills:

- **Programming Languages:** Python 3.XX, C, C++, JavaScript, SQL
- **Database and Client/Server Technologies:** MySQL, Netlify, Heroku
- **Software Tools:** Pandas, Scikit-Learn, Keras, Seaborn, Flask, Excel, Git (Version Control)

## Certifications and Specializations:

- Programming, Data Structures and Algorithms in Python, NPTEL (Certification)
- Statistics with Python Specialization, University Of Michigan (Specialization)