

ANIKET MISHRA

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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.

PROJECTS

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

Aug 2020

- Built a potential threat detection system to detect faces present in the police database.
- 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** to create interactive visualizations.

Heart Failure Severity Detection

- Link: <https://github.com/Aniket-Mishra/HeartDisease>
- Predicted the severity of a heart attacks on a scale of 0 to 4 with an accuracy of 83%.
- Used **Random Forests, SVMs** and chose **Artificial Neural Networks** as the best model using persistent instead of temporal data for better spectrum of use.
- **Keras** to build the **Neural Network, Sklearn** for pre-processing and model building.

PUBLICATIONS:

SRFBGAN: Super-resolution Feedback GAN, JETIR Conference, 2020

May 2020

- Link: <http://www.jetir.org/view?paper=JETIRDV06001>
- 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.

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)

CONFERENCES / HACKATHONS:

- **Best Research Paper** award, **RCICD, 2020** May 2020
- **Technical Team Lead**, Organizing Committee, HAC-2020, **MLH** Member hackathon Aug 2020
- Top Qualifiers, **HAC'KP 2020** Aug 2020
- Smart India Hackathon Participant, **SIH 2020** June 2020
- Winner, 1st position, Robotics Competition (Arduino), **IIT, Madras** Mar 2018

CERTIFICATIONS AND SPECIALIZATIONS:

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