

ANIKET MISHRA

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EDUCATION:

B.Tech in Computer Science, SRM Institute of Science and Technology

Percentage: **81.92%**

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**.
- Administered **mappings**, **sessions**, and **workflows**.
- Worked closely with clients in an ever evolving environment.
- Assisted the client in switching databases and services with 0% data loss.

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.
- Capstone projects: UCL Salary Prediction and Bank Customer Segmentation and received the highest score.

Core Team and Developer, Codezoned

July 2018 – Oct 2020

- Led the dev team to create the company's official website.
- Organized multiple Hackathons.
- Worked continuously on the GIT ecosystem and understood version control and programming standards.
- Maintained multiple open-source repositories.

Full Stack Web Developer, Phoenix Software Solutions

May 2018 – July 2018

- Built a fully functioning GST billing website for a mobile seller agency complete with invoices and database management to replace traditional paper records of the business.
- Used HTML, CSS and JavaScript with AJAX for front-end, PHP for backend and MySQL as database.
- Real time management of data was added.

PROGRAMMING PROJECTS:

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

Aug 2020

- Recognize faces from the database and update the time the camera captured it.
- Used **CMake** and **dlib** for connecting packages, **opencv** and **face-recognition** to perform face recognition, and, **db-sqlite3** for database management.

Monthly Sales Analysis: - 1 year of data

- <https://github.com/Aniket-Mishra/playing-with-data/tree/master/salesanalysis-data-2019/>
- Combined 12 datasets (one for each month of 2019), preprocessed it, and performed analytics to solve business problems
- Used **Pandas**, **Matplotlib**, **Numpy**, **Seaborn** and **Scikit-learn**

Pipinstall:

- <https://github.com/codezoned/pipinstall>
- A **python command line app** that allows the user to install python libraries directly from pip without having to install them one by one. This increases efficiency and there is no need to read through requirement.txt files.
- The user can provide the domain and the location of the virtual environment and the libraries will be downloaded there without any need for supervision.

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 (ANNs)** using persistent instead of temporal data for better spectrum of use.
- **Keras** to build **the Neural Network**, **Sklearn** for preprocessing, **Matplotlib** for visualization.
- The user can provide the domain and the location of the virtual environment and the libraries will be downloaded there.

UCI Adult Data Analysis

- Preprocessed and managed the inconsistencies in the dataset.
- Analysis and visualization was performed and inferences were made for further predictive analysis.
- Multiple Models were created to predict the earning potential.

PUBLICATIONS:

SRFBGAN: Super-resolution Feedback GAN JETIR Conference, 2020

May 2020

- Increased resolution of images using Feedback Loops in Generative Adversarial Networks (**GANs**)
- Developed a novel generator model and preprocessed the images.
- Used PyTorch to build the model, PIL for image preprocessing, Scipy and Numpy.
- **PSNR** and **SSIM** for the model were comparable to other state of the art models

CONFERENCES / HACKATHONS:

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| • 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 st position, Robotics Competition (Arduino), SRM University | Mar 2018 |
| • ESS Session, HYLC conference – 2017 | Jan 2017 |

Volunteering Experience:

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| • Lead Technical Team , HAC-2020 , MLH Member Hackathon | Aug 2020 |
| • Organizer, UHack , 2018, SRM University | Aug 2019 |
| • Organizing Volunteer, Alertathon 2018 (In partnership with Codezoned) | Nov 2018 |

Technical Skills:

- **Operating System: Windows:** All distributions; **Linux:** Ubuntu, Mint
- **Programming Languages: Python 3.XX (5/5), C (3/5), C++ (3/5), Javascript (3/5), SQL (4/5)**
- **Database and Client/Server Technologies:** MySQL, Netlify, Heroku
- **Software Tools: Pandas, Scikit-Learn, Keras, Seaborn, Flask, Excel**
- **Version Control:** Git

Certifications and Specializations:

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