

# Junaid MIR

## Doctoral Researcher

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mirjunaid26



*A data science enthusiast skilled in data analysis, data management, machine learning, and programming with effective communication and presentation skills. Aiming to work in a stimulating and result-oriented team, in order to contribute to the well-being of society.*

### Professional Experience

- Oct 2017-present **Researcher/Doctorant**, *Université de technologie de Troyes*, France  
Working on the classification of nodes in the citation and molecular networks using Attention-based Graph Neural Networks. (Python, PyTorch, and Tensorflow.)
- Fév - Mai 2017 **Machine Learning Engineer(Intern)**, *Logituit*, Bangalore  
Worked on a project to classify pre-ictal and inter-ictal brain signals in dogs using various Machine Learning algorithms. (Python, Scikit-learn, Keras, and MATLAB)
- Aug 2016 - Feb 2017 **Deep Learning Researcher(Intern)**, *National Institute of Technology*, Srinagar  
Developed a model based on Convolutional Neural Networks in Computer Vision to detect and classify different types of fish. (Python and Tensorflow)
- Jan-Feb 2013 **Intern**, *Red Hat*, Mumbai  
RHCE (Red Hat Certified Engineer) and RHCSA (Red Hat Certified System Administrator) to automate Red Hat Enterprise Linux system tasks.

### Skills

- Programming Python, SQL, R, HTML/CSS, C, MATLAB
- ML Libraries Scikit-learn, PyTorch, Tensorflow, Keras, OpenCV, Numpy, Pandas, PyG, DGL
- Tools VSCode, Git, GitHub, Jupyter Notebook, Microsoft Azure, Power BI, MS Excel, Linux, LaTeX

### Projects

- Doctoral Thesis Scalability and computational cost are two important bottlenecks of Graph Neural Networks. This research aims to tackle these bottlenecks by simplifying input graph data without losing important information.
- Master's Thesis Developed a computer vision model by slicing down the fishing video into images and then fed to CNN to automatically detect/classify various species of tunas using Python, Tensorflow, and highspeed GPU's.

### Education

- Oct 2017-present **PhD Student, Machine Learning and Data Science**, *Université de technologie de Troyes*, France
- 2015-2017 **Master's in Computer Science and Engineering**, *VIT University*, Chennai, *Bac+5*
- 2010-2014 **Bachelor's in Computer Science and Engineering**, *IUST*, Awantipora, *Bac+3*

### Languages and Interests

- Languages English(Fluent), French(Preparing for TCF), Hindi(Fluent), Kashmiri(Maternal Language).
- Extras President of ElliDoc (Association of PhD Students, UTT France) from July 2019 to July 2020.

### References

- Omar Jaafor**, *Data Scientist*, *Novagen Conseil*, Paris, o.jaafor@gmail.com
- Sana Elwaar**, *Data Scientist*, *Dassault Systemes*, Paris, sana.elwaar@gmail.com

### Publications

- Attention Based Graph Neural Networks for Node Classification**, under process: December 2022
- A Retrospect of Prominent Cloud Security Algorithms**, *IJITEE*, Vol-9, Jan 2020