



# Adnan M. Niazi

**GitHub** [github.com/adnaniazi](https://github.com/adnaniazi)  
**LinkedIn** [linkedin.com/in/adnanniazi](https://linkedin.com/in/adnanniazi)  
**Twitter** [@adnaniazi2](https://twitter.com/adnaniazi2)

## Work experience

- 08.2022 – Present **Postdoctoral Research Fellow** – University of Bergen, Norway  
+ Developing informatics tool for understanding RNA biology
- 03.2018 – 07.2022 **PhD Research Fellow** – University of Bergen, Norway  
+ Developed informatics algorithms for processing time-series Nanopore sensor data. This work resulted in an **R package** – *tailfindr* ([github.com/adnaniazi/tailfindr](https://github.com/adnaniazi/tailfindr)).  
+ Developed supervised machine learning-based method for classifying Nanopore data. This work resulted in a **Python package** – *capable* ([github.com/adnaniazi/capable](https://github.com/adnaniazi/capable)).  
+ Worked in a high-pressure highly-competitive research field and helped in creating new scientific methods that are now being in the process of being patented.  
+ Communicated complex science in an easy-to-understand way for patent attorneys during the patenting process.  
+ Worked efficiently in teams and collaborated with many international collaborators  
+ Supervised master's students and contributed in writing funding applications.
- 04.2014 – 02.2018 **Lecturer** – Institute of Integrative Biosciences, Pakistan  
+ Designed and taught courses at bachelors level in programming in Python and R, and basic statistics
- 09.2012 – 02.2013 **Research Assistant** – Centre for AI, Radboud University Nijmegen, The Netherlands  
+ Developed MATLAB®-based software tool for interactive visualization of spatiotemporal information in functional magnetic resonance imaging data ([analyze4d.com/](https://analyze4d.com/))
- 08.2011 – 08.2012 **Trainee Engineer** – Donders Institute, Radboud University Nijmegen, The Netherlands  
+ Contributed in developing MATLAB®-based toolbox for real-time processing and analysis of functional magnetic resonance imaging (fMRI) data ([tiny.cc/rtfmri](https://tiny.cc/rtfmri))  
+ Used machine learning (elastic nets logistic regression) for predicting brain states from fMRI data
- 04.2010 – 07.2010 **Lecturer** – University of Engineering & Technology, Pakistan  
+ Taught courses in electrical and electronics engineering

## Patents

- 2022 Method of characterizing capped RNA – **Niazi, A. M.**, Øvrebø, J. I., Valen, E.D.  
Provisional Patent Application in Norway, Application number: 20220658

## IT Skills

- Programming** Python, R, MATLAB, LabVIEW, Rust (beginner)  
**Scripting** Bash  
**Development Tools** Git, Travis CI  
**Web Development** HTML, CSS, Bootstrap, JavaScript, jQuery  
**Digital Typesetting** LaTeX, Markdown  
**Miscellaneous** PyQt GUI Design, Shiny App Design, R and Python package development, PowerPoint (Expert level)

## Relevant Professional Trainings

- 15.03.21 – 19.03.21 **Workshop on Bayesian Inference in Practice**  
Transmitting Science & ForBio Research School in Biosystematics, Norway
- 25.05.20 – 30.05.20 **Workshop on Sequence Comparison and Database Search**  
University of Bergen, Norway
- 17.09.19 – 18.09.19 **Nextflow Training Course**  
Centre for Genomic Regulation (CRG), Barcelona, Spain
- 05.03.19 – 15.04.19 **Collaborative Scientific Software Development Workshop**  
University of Bergen, Norway
- 10.08.18 – 14.08.18 **Robust and Reproducible Practices in Bioinformatics Programming**  
University of Oslo, Norway

## Education

- 03.2018 – 07.2022 **PhD** in Informatics – University of Bergen, Norway  
Thesis | *Computational methods for studying RNA caps and poly(A)-tails at single-molecule resolution with Nanopore sequencing*
- 08.2010 – 08.2012 **MSc (Cum Laude)** in Human Media Interaction – University of Twente, The Netherlands  
Thesis | *Real-time fMRI Decoding: Reading Minds Using Brain Imaging*
- 08.2004 – 08.2008 **BSc** in Electrical Engineering – University of Engineering & Technology, Pakistan

## Awards

- 2018 **Best Oral Presentation Award**  
BiB 2018, Norway
- 2016 **Best Teacher of the Year Award**  
CECOS University, Pakistan
- 2012 **ENIAC Best Masters Thesis Award (Runner up)**  
University of Twente
- 2011 **Best Poster Presentation Award**  
BrainGain 2011, Maastricht, The Netherlands
- 2010 – 2012 **UTS Scholarship | University of Twente, Netherlands**  
An all-expenses-paid scholarship for incoming high-achieving students at UT

## Publications

For a complete list, please visit:

[https://scholar.google.nl/citations?user=P\\_9Tj14AAAAJ&hl](https://scholar.google.nl/citations?user=P_9Tj14AAAAJ&hl)

## Languages

<b>English</b>	Advanced
<b>Norwegian</b>	A2 level

## Hobbies and interests

Cooking, Hiking, Fishing, Capital markets and investing, Troubleshooting electronics

## References

Can be provided when needed