Nafisa Ali

2 Queens Tower, Duddeston Manor Road, Birmingham, B7 4QE. Email: [nafiiisa@hotmail.com](mailto:nafiiisa@hotmail.com)

<https://github.com/naffisa/python_work> https://www.linkedin.com/feed/

**PERSONAL PROFILE**

Highly driven, motivated, and analytical data professional. A current participant in Tech Talent Academy’s Data Academy program learning Python fundamentals, including key data science libraries such as Numpy, Pandas, SciKit, and Tensorflow. In addition to this, I am gaining a solid grounding in machine learning algorithms, relational database management (SQL), data visualisation/business intelligence packages such as PowerBI, and R programming language. I am a keen and adaptable worker looking for entry-level data science positions that will utilise this skill set.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TechTalent Academy, Data Science                                                                                                                                  Oct 2021 – Jan 2022**

An intensive 14-week course focused on the fundamentals of data science delivered through a combination of interactive group learning and home learning tasks. During the course, I built strong skills in the manipulation of data using Numpy and Pandas whilst being able to visualise the data using Python libraries including matplotlib, Altair, and other software packages such as Power BI.

**EDUCATION**

2021-2022 BCS, The Chartered Institution for IT BCS Foundation Award in What is Machine Learning? V1.0

2021-2022 TechTalent Academy Data science Bootcamp

2017-2018 Birmingham City University PGCE-PCET (Postgraduate certificate in education- Post-Compulsory Education and Training)

2014-2017 Coventry university BSc (Hon) Biomedical science

2013- 2014 Birmingham Metropolitan College Access to Higher Education

**Core skills**:

1. Python
2. Pandas
3. NumPy
4. Altair
5. Tableau
6. MySQL

**Work experience**

**2018-2020**

I work as a private tutor to primary school students. I teach mathematics to key stage 1 and key stage 2.

**2019** academic year, I worked in Al- Burhan Grammar school as a science teacher.

**2017-2018** academic year, I worked at Bournville College as a science teacher. In the short period that I have worked there, I have gained tremendous experience in teaching, behaviour management maintaining a good rapport with the staff and management.

I have worked in Bournville college to support and provide pupil progression for KS4 and KS5. Ensuring accurate and productive use of regular assessment of students.

My class is made of a wide range of students of all abilities and making sure that inclusivity is a right for all students.

I taught a range of classes and modules such as Mathematics, Clinical biochemistry, Microbiology, and general biology.

**2009-2012** I worked as an interpreter.

**My responsibilities included**

* Teaching a level of science that is appropriate for students learning abilities
* Guiding students to design experiments that will test know scientific theories
* Challenge all students to do better and learn more about science and nature
* Teaching students how properly use, care and handle science lab equipment’s
* Teaching students about the role of science in society as a whole
* Promoting independent work and group work
* Creating a positive classroom atmosphere that is inclusive and encourages study
* Understanding the basic concepts of science and getting scientific discussions going
* Building a good rapport with students
* Managing classroom behavior

**KEY SKILLS Laboratory Skills**

* Use flame photometry as an analytical technique to measure concentrations, protein purification by gel filtration. Separate blood serum proteins using agarose gel electrophoresis, histology of liver tissue by H and E staining, Streak plate, and sterile microbiological techniques. Spectrophotometry and the use of a haemocytometer.
* Enzyme Kinetics, isolate and map bacterial plasmid DNA
* Identify stages of mitosis in root cells. Able to test the cytotoxicity of common chemicals using in vitro cultures of mammalian cells.
* Electromyography: use of electromyography to record the electrical activity of skeletal muscle. Electrocardiogram: test the electrical activity of an abnormal and normal heart. Spirometry: Understand the basics of the spirometer and be able to find the lung volumes and capacities from the recordings.
* The importance of Spectrophotometer gel electrophoresis and HPLC in biochemical sample analysis such as protein separation and quantification.
* The use of ELISA to identify and quantify specific antigens or antibodies. Also, amplifying and quantifying DNA using PCR and qPCR.
* Understand the importance of good conduct in the laboratory and the safety guidelines. IT and data analysis: Able to use different databases for bioinformatics such as GQuery and OMIM (Online Mendelian Inheritance in Man).
* Communication: Able to differentiate between different forms of published data i.e. reviews and articles.
* Teamwork: Undertaken a variety of team projects which portrayed the importance of working in a team and the effect it has upon the final results. Had the opportunity to work with people from a variety of different backgrounds.

**ADDITIONAL QUALIFICATIONS AND ACHIEVEMENTS**

* Sense of adventure: I completed non-science modules such as 3Ds max software, pilot studies, and business start-up at Coventry University.
* Problem Solving: Set up a charity to raise funds for people affected by certain disasters that occur in Somalia. Gained a variety of essential skills such as organisational skills and how to manage time effectively.
* Linguistics: Able to converse in English, Somali, and Arabic.

**INTERESTS AND EXTRACURRICULAR ACTIVITIES**

My hobbies and interest include reading books, walking long distances, and traveling. I also enjoy socialising with others and discovering new cultures.

**References are available upon request**.