

Rivini Devendra

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Technical Skills

- Experience in Matlab
- Experience in Python
- Comfortable conducting Numerical Analysis in Python
- Understanding of Lagrangian mechanics
- Proficient using Latex (to write my 3rd year project)
- Experience using Maple
- Experience in HTML

Professional Experience

2023 – present

University of Bristol Student Ambassador

University of Bristol

This role involved speaking with prospective students and their families visiting the university on open days, which developed my customer service skills - a particular challenge I faced was coming up with answers to particularly probing/unexpected questions, but I was grateful for the opportunity to strengthen my ability to think on my feet.

It also involves doing Widening Participation work for the university, such as leading a graduation for year 6 children from a week long event which was designed to encourage them to consider further education at university level, while also learning about the planet and the world around them. One skill I strengthened was answering their questions about the university experience/requirements in an age-appropriate fashion while giving a group a guided tour of the university.

2024/09 – 2024/12

Teaching Assistant

University of Bristol

The University of Bristol ran a widening participation program which involved Year 13 students from local Bristol colleges coming to the University maths department and receiving extension lectures and math problems to complete regarding the topics they learnt at A-Level. I sat with a rotating group of 2-4 students and would offer assistance with the problems. I worked with a vast group of abilities and had to tailor my assistance to fit the students' needs - some needed to have the question re-explained by me in a way that made sense to them, some of them needed hints, some of them needed to have me work through the problem and then ask me questions about individual steps. This role developed my problem solving skills, as I had to figure out which approach would work best for which child, often without knowing them very well.

2023/09 – 2024/02

Peer Mentor

University of Bristol

The job role of being a peer mentor involves helping to ease in new students to the University of Bristol and Bristol as a whole - acting as a source of guidance and support where new students can ask you various questions about uni life and how to balance socialising and studying, and meet with you weekly to discuss concerns they might have. It also requires an extensive knowledge of university protocol and resources so you are able to signpost the student so they can get the help they need. I developed an ability to deal with sensitive situations with tact and respect for all parties involved.

2018 – 2019

Mathematics Tutor for Year 7s

Preston Manor High School

This experience taught me how to think outside the box and how to easily verbalize and deliver essential concepts about mathematics simply, in a way that grabbed and kept the year 7s attention and focus, and made mathematics a compelling and enjoyable subject for children who were previously struggling with the subject, while also reinforcing these concepts for myself. It also taught me perseverance, as sometimes I would have to use 2 or 3 different approaches to explain the mathematics in a way the child's mind would grasp.

Education

2022/09 – 2025/05
Bristol,
United Kingdom

Mathematics (BSc)

University of Bristol
Predicted 2:1

A Level Mathematics (A*)

St Dominic's Sixth Form College

A level Further Mathematics (A*)

St Dominic's Sixth Form College

A level Physics (A)

11 GCSES (Grade 8-9) including Mathematics (9) and English (9)

Preston Manor High School

Languages

English

French

Proficient to a GCSE level

Sinhala

Intermediate

Certificates

2019

Pearson Level 2 Algebra Award

Edexcel

ABRSM Grade 6 Certificate in Singing

ABRSM

UKMT Maths Challenge Bronze

UKMT

Extra-Curriculars

Atomic Society EDI officer

The Atomic society is a University of Bristol student run society devoted to the promotion of the nuclear industry to the Bristol student body through a range of talks given by companies/associations such as Mott Macdonald, EDF and the Department for Energy Security and Net Zero. These talks explore topics such as the evolution of nuclear power station design and the decommissioning of Sellafield.

As part of my role as the Atomic Society's Equality, Diversity and Inclusion officer, I ensure that the members of the society feel represented by the society, and push for a diverse range of students to join the nuclear field.

Physbar (Volunteer)

I volunteer at the Physics Society run cafe, which has helped to strengthen my time management skills and ability to think under pressure by being able to carry out the method to make each drink quickly and efficiently. I also strengthened my interpersonal and customer facing skills by taking orders for drinks