

## AYESHA IRFAN



**Job:** Data Scientist

**Company:** Naimuri

I am a Data Scientist at Naimuri, which is a brilliant company dedicated to advancing the frontiers of data intelligence capabilities in the UK. I am also doing a PhD in Mathematics and recently I co-founded a company to develop free educational software for students around the world.

Enthusiastic

Ambitious

Driven

**The skills I use most in my job...**Understanding cloud technologies

- Writing readable code
- Learning to review code from other team members
- Adopting an agile workflow
- Confidence to ask for help!

**The most interesting thing I've worked on in my career so far...**I recently developed a mobile application to help students learn Maths digitally and it currently has over 100,000 users. I am planning on expanding the series to include physics and computer science, and to integrate ML capabilities into

the app. At Naimuri, I've been working on assuring AI technologies.

**What inspired me into digital and tech...**My dad inspired me to pursue tech, he always made sure that my sisters and I were up-to-date with the most recent technologies and he urged us to question how things worked. When I was 11, my dad would give me old computers to take apart and it was fun!

**My educational background is...**I studied a BSc in Physics from the University of Warwick, and I have now started a PhD in Mathematics/Mathematical Physics at the University of Bristol. I am fascinated by Information Theory, the theoretical basis for how computers work, and Random Matrix Theory, which seemingly models deep learning.

**What advice I'd give to girls thinking about a career in digital and tech...**Tech is such a stimulating industry, it is exciting to be a part of it. Over the pandemic, we began to comprehend just how reliant the world is on technology. Understanding technology means understanding how the world works, and that's a pivotal step in changing it for the better.