

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.