Mayur Dave

Education

- MMath from University of Warwick (2013 – Present), Integrated Masters, predicted 2:1
- A levels from Leicester Grammar School (2011 – 2013)
  - Mathematics: A*
  - Further Mathematics: A*
  - Physics: A
  - STEP I: 1

Projects

I am a quick learner, being able to pick up new languages typically within a fortnight. I've worked on quite a few projects as coursework as well as for research purposes. Although the vast majority of work listed is mathematical, I am adaptable and can code for any purpose. Below is a short list of previous projects I've taken part in:

- 4th year essay on **Holomorphic Dynamics** supervised by Assistant Professor **Adam Epstein** (in Sage). Performing calculations to show that a conjecture will hold.

- Undergraduate Research Support Scheme **Computation of Bianchi Modular Forms** supervised by Research Fellow **Marc Masdeu** (in Sage). Using research papers to implement a working algorithm for the computation.

- **Project Leader** for Technology Volunteers. Preparing work sheets for children to learn coding from. Including explaining concepts to university students, teachers and parents. (in C++ and Scratch)

Proficient in mathematically oriented languages(Sage, Magma, Pari . . .). Adept with generic programming languages (Python, C/C++, Java). Mostly working with C and Python.

Personal

- British National with full driving licence.
- English, Gujarati and Hindi as native languages

Other Information

- University of Warwick Duke of Edinburgh Society:
  - Post Gold Officer (2015 – Present)