

**Please note:** The below student proposed match will be doing the Premium Research & Publication Program which will run for 16-20 weeks and the mentors are expected to meet their students 15 times during the whole duration of the program.



**Proposed Student Match:** Akshita Anant Badkundri



**Grade:** 11th

**School:** Dr. Kalmadi Shamarao High School and Jr. College

**Research area of Interest:** Data Science/Machine Learning/ Statistics

**\*Reasons for Interest:** Computer Science enables us to provide new possibilities and influence the lives of those around us. It is not limited to Engineering and supports all fields including Medicine, E-commerce, and Architecture. This is an area riding on logic and problem-solving skills – two abilities required in humans to excel. I aim to improve on these two aspects and hence am looking forward to participating in the Research Program in the “Computer Science” or “Data Science” field. With the limited exposure I have, I have enjoyed developing software, and I will be interested to research on different aspects that influence software development. While reading about the impact of the pandemic on the people, I was left intrigued on knowing that governments take important decisions by analyzing data based on various parameters. The depth to which data can be used for decision making got me interested in analytics, which gave rise to a want to learn more about Data Science. I would love to use the enormous amount of data that gets generated these days as a base for research on aspects that impact environment and/or human life. I envision Data Science to have the necessary mechanics which act as a mirror for us on any problem we desire to analyze and solve; this very thought excites me for researching more on this topic.

**\*Background:** I pursued my preliminary education in a state board school where Computer Science related subjects were at surface level. I studied the basics of Information Communication Technology through topics like QBasic, HTML, and logo. Throughout my schooling, Math and Science were my favorite subjects as well as the subjects I scored the highest in. Studying Computer Science in my 11th standard currently, I am enjoying the exposure to the logic and problem-solving skills via the subjects Computer Hardware, Networking, Object-oriented concepts and programming languages like C++ and Python. At the beginning of the covid-19 pandemic, when schools were yet to reopen, I ideated and formed a student platform that would connect aspiring students with inspiring speakers. I created a website to reach a wider audience and for a systematic organization. The website facilitated students to know more about the student platform, view monthly highlights, reach us, and register for upcoming sessions.

I completed a Python Course on Coursera, ‘Programming for Everybody (Getting Started with Python)’, provided by the University of Michigan. I thoroughly enjoyed the course and have thus decided to complete the ‘Python for Everybody’ Specialization Course. As I enjoy coding, I am keen on solving problems, increasing productivity and enhancing our daily living with Computer Science as my aid.

**\*Goals:**

*\*These notes have been taken directly from the student's application.*