# BioCompute - We are Hiring!

## 1. Who are We?

BioCompute is an early stage deep-tech company enabling the transition towards biomolecule based data storage and computation. Backed by gradCapital, WTFund, Emergent Ventures and the Sustainability Mafia, we are building cutting edge tools to make DNA data storage affordable.

Founded by Anagha Rajesh, a BITS Goa Chemistry graduate with past experience in scientific projects and venture building, we are currently based out of Bangalore.

## 2. Why are we building BioCompute?

Our data production is growing exponentially, our existing data centre infrastructure is struggling to cope with these needs - in a nutshell, we are running out of space to store our data. Given the failure of Moore's Law silicon based storage systems cannot become exponentially more efficient so we need radically different alternatives.

In addition, data centres hog tons of energy and water, and are unsustainable for our planet. Here is where DNA steps in to bridge the gap. With a massive storage density (15 TB per cubic millimeter) and longevity (>1000 years), DNA needs to be the storage alternative to hard drives and SSDs.

## 3. What roles are we hiring for?

We are an interdisciplinary team of young people with a supportive work culture, and we are excited to bring in a new Bioengineer.

### A. Bioengineer

What does this role entail?

a. Immediate Goals:

- Perform molecular biology experiments to encode data in DNA. This will include molecular biology experiments with an emphasis on DNA modification.
- Carry out computational analysis of sequencing data to confirm encoding, and to carry out decoding
- Be involved in procurement of relevant reagents and equipment

b. Goals in the Long Run:

- Identify strategies to scale up data storage in DNA
- Work closely with the product lead to carry out pilot projects in DNA storage with commercial partners

* This is an in-person role based out of Kodigehalli, Bengaluru. No remote provisions are available.

What are the perks?

- Work at the bleeding edge of interdisciplinary technologies, enabling a first-of-its-kind integrated storage hardware
- A healthy work culture that encourages curiosity and out of the box thinking
- Compensation corresponding to industry standards, experience and technical acumen

Who are we looking for?

- An ideal candidate would be someone who has worked on molecular biology based wet lab projects before. These projects could be academic, industry-based or even home lab based, as long as you were actively involved in hands-on work.
- Theoretical knowledge of different sequencing techniques and data analysis is preferred but not necessary.
- Obsession with designing experiments to answer specific questions, and troubleshooting them.
- Ability to identify, read and analyse relevant research literature
- Ability to communicate ideas clearly and effectively, both in oral and written formats
- Self-motivated individual who works well in a team, and is open to giving and receiving honest feedback
- Brownie points for having worked with DNA editing and coding before (we are also open to you figuring this out as a part of the role)

* We are not concerned about what university you went to, what degrees you have or your grades in college.

How can I apply?

Write to chief@biocomputeinc.com with the subject line
'BioCompute Bioengineer - [Your Name]'
The email should include (as attachments or in the email body, whatever you think is the best fit)

1. Past projects you have worked on - specific goals of that project, what you worked on, and the outcome.
2. 300 word summary of a research paper in the domain of DNA data storage, with particular reference to molecular biology aspects (this should be a standalone research paper and not a review article).
3. Why would you like to join BioCompute? (avoid college application style essays, talk about why you find this domain and this particular role interesting, how do you know this is something you are interested in).

Following this you will be invited to interview with us so that we can evaluate if we are a good fit for each other. Applications that do not follow the format mentioned above will be rejected.

* The role will start with a 3-month probation period and then convert to a full-time role based on mutual compatibility