# DB

# DIYA BHAT
**COMPUTATIONAL AND SYNTHETIC BIOLOGIST | UT AUSTIN UNDERGRADUATE STUDENT**

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## SKILLS

**DRY LAB**
- Proficient in Python, R, and HTML
- Experience with protein/gene sequence alignment tools like Jalview and breseq
- Protein modeling
- Technical/content writing

**WET LAB**
- Trained as laboratory technician
- Genetically engineering organisms
- Transformations, PCR, cell cultures, site-directed mutagenesis

## LINKS

- LinkedIn: www.linkedin.com/in/diya-b-974274101
- iGEM Project: https://2019.igem.org/Team:Austin_UTexas
- Personal website: https://diyabhat.netlify.com/

## EDUCATION

**COMPUTATIONAL BIOLOGY (B.S) • UT AUSTIN • MAY 2020**
GPA: 3.67
Featured on University Honors List for 3 different semesters.

## EXPERIENCE

**2019 IGEM SYNTHETIC BIOLOGY TEAM**          *JANUARY 2019 – PRESENT*
- Developed a new methodology to measure, quantify, and standardize the metabolic burden imposed by genetic circuits on over 300 synthetic constructs.
- Presented at the World iGEM Conference in Boston.
- Received the Gold Medal and Best Measurement Award and nominated for the Foundational Advance Award from over 350 international teams.
- Co-built team website: https://2019.igem.org/Team:Austin_UTexas

**DATA ANALYTICS INTERN AT THE NATIONAL CENTER FOR BIOLOGICAL SCIENCES, INDIA**                    *JUNE 2016 – JULY 2017*
- Worked on two separate projects pertaining to marine biology: 'Restoration of Denuded Reefs in the Andaman and Nicobar Islands' and 'Understanding the Effect of Epiphytic Algae and Sedimentation on Dugong Herbivory'.
- Generated reports and analyzed data for the two projects using R and Excel.

**COLLEGE OF NATURAL SCIENCES MENTOR, UT AUSTIN**                    *MAY 2017 – MAY 2018*
- Mentored a class of 20 first-year science students by providing academic and career advice via a weekly session and one-on-one meetings.
- Trained for a year in the field of professional communication and leadership.

**RESEARCH INTERN AT THE INDIAN TOBACCO COMPANY (ITC)**                    *JUNE 2018 – JULY 2018*
- Shadowed an industrial researcher who worked exclusively in a laboratory environment.
- Trained with advanced laboratory equipment and methods.