

BHUMIKA AJWANI

Highly motivated and competent graduate in Biotechnology with a Diploma in Bioinformatics seeking an entry-level job. Adept in relevant biological/biotechnological concepts and their application in the practical world along with comprehensive knowledge in computational biology. An inquisitive fresher seeking new opportunities to showcase academic, interpersonal and communication skills.



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EDUCATION

Post Graduate Diploma in Bioinformatics | Department of Botany, Bioinformatics and Climate Change Impacts Management, Gujarat University

(Aug 2021 – May 2022)

Results: Pending

Bachelors of Science in Biotechnology | Institute of Advance Research, Gandhinagar (Jul 2018 – May 2021)

GPA - 8.7/10

(10+2) PCB Science | Shanti Asiatic School, Ahmedabad (Apr 2017 – Apr 2018)

CGPA - 8.9/10

(10TH) | Shanti Asiatic School, Ahmedabad (2015 - 2016)

CGPA - 9.2/10

PROJECTS

Volunteer Student | Institute of Advanced Research | Aug 2019 - Dec 2020

Topic: Genomic Landscape of Metastatic Lung Cancer

Involved identification of genomic drivers of Metastatic Lung Cancer and study of their clinical significance for which a sizeable amount of literature had to be read along with ample usage of Bioinformatics and various analysis tools to derive meaningful information in the form of pie charts and graphs

Volunteer for Seminar | Institute of Advanced Research | 2020

Topic: IL-32, A frenemy of cancer

A presentation aimed to concisely point out the differences between pro and anti effects of Interleukin 32 in cancer, a controversial cytokine present in the immune system

Mini Project | Institute of Advanced Research | 2021

Topic: Necroptosis, an alternative mode to regulate cell death which mimics features of both Necrosis and Apoptosis (Immunology oriented)

Dissertation | Gujarat University | Jan 2022 – May 2022

Topic: Clinical Exome Sequencing Analysis in Fanconi Anemia Complementation Group A along with Bone Marrow Failure

Performed Exome Sequencing using Linux system on patient's data involving Data retrieval, quality check, pre-preprocessing, alignment, post alignment processing and variant identification and eventually analyzing them to diagnose the disease prevailing in the patient.

SKILLS

Biotechnology

Bioinformatics Tools & Databases

Research and Analysis

Statistical analysis

Computational Biology

Experimentation

Microsoft Office Suite

Problem Solving

Communication

Team Work

Leadership and Management

Public Speaking

ACHIEVEMENTS

Secured **100% Merit Scholarship** for Bachelors in Science in Biotechnology (Undergraduate Course)

Best Student Award in UG (2018-19)

Best Speaker (Student) on the topic Sequence Alignment during UG course

School Topper in Biology, English and Physical Education in 12th grade

Awarded for being a part of **Organizing and Management Committee of the biggest Annual Science and Start-Up Conclave of Gujarat** (eUREKA) for two consecutive years

President of EchoGrooves (Music-Dance Club)