

# RUPAK BODKHE

Biotechnology Undergraduate | Aspiring Immunology Researcher | Bioinformatics Enthusiast

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## PROFESSIONAL SUMMARY

Motivated B.Sc. (Hons.) Biotechnology undergraduate at Amity University Mumbai with a strong interest in immunology, molecular biology, bioinformatics, and computational biology. Developing foundational expertise in laboratory techniques and biological data analysis through academic training and independent learning. Seeking a research-focused internship in immunology, molecular diagnostics, or biotechnology research to build hands-on experimental and computational skills and contribute to ongoing research projects.

## EDUCATION

### Amity University Mumbai — Bachelor of Science (Hons.) Biotechnology

2025 – 2029 | Current CGPA: 6.18 / 10

Relevant Coursework: Cell Biology, Molecular Biology, Genetics, Microbiology, Immunology, Biochemistry

## TECHNICAL SKILLS

### Laboratory Techniques

Micropipetting and laboratory handling; DNA extraction; cell culture techniques (academic exposure); Gram staining; light microscopy; spectrophotometry; basic laboratory documentation.

### Bioinformatics Skills

NCBI database navigation; BLAST sequence analysis; Protein Data Bank (PDB) exploration; FASTA sequence retrieval and analysis; basic understanding of biological databases.

### Programming

Python (beginner level); basic computational problem-solving.

### Research Skills

Literature review; scientific article reading; scientific writing; data interpretation; research documentation.

## PROJECTS & LEARNING INITIATIVES

### Immunology Educational Series — Independent Learning Project

- Created structured educational content covering fundamental concepts of immunology.
- Studied innate immunity, adaptive immunity, immune cells, and immune mechanisms.
- Organized scientific information using standard immunology references.
- Improved scientific communication and literature analysis skills.

## CERTIFICATIONS

Python Programming Bootcamp — LearnX. Developed foundational programming knowledge and computational thinking skills.

## AREAS OF INTEREST

Immunology Research, Molecular Biology, Bioinformatics, Computational Biology, Molecular Diagnostics, Genetics and Genomics, Biotechnology Research

## SOFT SKILLS

Scientific Curiosity, Critical Thinking, Problem Solving, Self-Learning Ability, Team Collaboration, Time Management, Scientific Communication

## LANGUAGES

English, Hindi, Marathi