

REBECCA REJI

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EDUCATION

Northeastern University, Boston, MA

Master of Science in Biotechnology

Coursework: Biotech Lab Skills, Molecular Approaches in Biotechnology, Protein Principles in Biotechnology

Expected 2027

GPA: 3.519

St Joseph's College (Autonomous), Bengaluru, KA

Bachelor of Science in Biotechnology and Zoology

June 2024

GPA: 8.09/10

TECHNICAL SKILLS

Laboratory Techniques: Microscopy, Centrifuge, Gel Electrophoresis, Pipetting Techniques, Culture Media Preparation, Bacteria and Algal Cell Culture Methods, Serial Dilutions, PCR, Nucleic Acid Isolation and Extraction, Western Blotting, ELISA

Instruments: LAF, Incubators, Flow Cytometer, pH Meter, Multimeter, Plate Reader, Hemocytometer, Autoclave, Thermocycler, Electroporator

Data Analysis & Bioinformatics: Microsoft Excel, BLAST, Primer3, Chimera UniProt, NCBI, SwissProt, PDB, Basics of R Programming

EXPERIENCE

Northeastern University, Boston, MA

Jan 2025 – Present

EXP Wet Lab Makerspace Supervisor

- Leading hands-on workshops on laboratory techniques and scientific equipment, equipping researchers with practical skills while ensuring strict adherence to safety protocols
- Training laboratory users in the safe and efficient operation of scientific equipment, reinforcing compliance with protocols to maintain a secure and well-regulated research environment
- Provided technical guidance and troubleshooting support to students, helping them navigate research challenges and enhance the accuracy and efficiency of their experiments
- Specialize in advanced laboratory techniques such as flow cytometry, microscopy, PCR and cell culture

St Joseph's College (Autonomous), Bengaluru, KA

Aug 2023 – Jun 2024

Algal Research Intern

- Collected and analyzed water samples to successfully identify and culture commercially viable algal species
- Optimized growth conditions for algae by adjusting variables such as light exposure, leading to increased biomass yield in laboratory settings
- Maintained detailed laboratory records to track and analyze algal species' growth trends, ensuring accurate data collection for experimental validation
- Conducted comprehensive literature reviews to match observed algal species' morphology under the microscope, enabling accurate identification of species
- Specialized in techniques like media preparation, gel electrophoresis, centrifugation, serial dilutions, and microscopy to support experimental workflows and enhance laboratory efficiency

R J Creation, Bengaluru, KA

Jun 2021– Jun 2021

Quality Analyst Intern

- Performed precise measurements of manufactured components using a vernier caliper, screw gauge, and height gauge, ensuring 100% compliance with strict quality standards for the defense, medical, and aerospace sectors
- Documented and analyzed measurement data for precision components, facilitating timely identification and rectification of discrepancies, enhancing product reliability and customer satisfaction
- Supported the packaging and labelling of inspected components, ensuring safe handling and proper identification for client delivery.

CERTIFICATIONS AND TRAINING

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| • Fundamentals of Laboratory Safety Training, Northeastern University | 16 th September 2024 |
| • Biosafety Training, Northeastern University | 16 th September 2024 |
| • Hazardous Waste Management Training, Northeastern University | 16 th September 2024 |
| • Autoclave Training, Northeastern University | 23 rd December 2024 |