

Tejal Ujwal Moon

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EDUCATION:

New Jersey Institute of Technology, Newark, NJ

Master of Science in Pharmaceutical Science,

Sep 2024 – Present

Smt. Kishoritai Bhoyar College of Pharmacy Kamptee, Nagpur, India

Bachelor's Degree in Pharmacy, CGPA – 7.53/10.0

Jan 2020 – Jun 2024

EXPERIENCE:

Pharmaceutical Production Intern, Everest Pharma, Pune, India

Dec 2023 – Jan 2024

- Validated equipment performance through rigorous testing procedures, ensuring adherence to GMP guidelines and achieving a 99.9% passing rate on validation tests, which exceeded the factory benchmark.
- Aided in upholding strict GMP compliance protocols throughout the drug manufacturing process, leading to zero regulatory citations during two internal audits, and improved documentation process.
- Updated and maintained production records and documentation, to ensure accuracy and completeness to facilitate smoother audits and process.

Analytical Developer Intern, InVitro Research Solutions Pvt. Ltd., Bengaluru, India

Jun 2023 – Jun 2023

- Evaluated and revamped analytical testing procedures for five drug candidates, increasing accuracy of High-Performance Liquid Chromatography results by 15% and reducing analysis time by approximately 20%.
- Collaborated with cross-functional teams during weekly sprint meetings, streamlining analytical testing workflows, and resulting in the identification of contamination sources and a 25% reduction in batch failures.
- Developed and validated analytical methods for the quantification of active pharmaceutical ingredients (APIs) using HPLC, GC-MS, and LC-MS.
- Facilitated regular meetings with interdisciplinary team members to discuss project milestones, troubleshooting efforts, and analytical improvements.

Vaccine Developer Intern, Edufibrica in Association with IIT Madras, Sarang,

Feb 2022 – Mar 2022

New Delhi, India

- Evaluated the correlation between specific coronavirus mutations and vaccine-induced antibody neutralization, leading to the identification of five critical mutations impacting vaccine effectiveness and requiring further investigation.
- Understood and analyzed different viruses, bacteria, and their respective strain's shapes, characteristics, and pathology for accurate and efficient vaccine development.
- Understood streamlined vaccine production processes for better output and minimum errors and components of the immune system, including innate and adaptive immunity.

Subject Matter Expert, Lampros Tech Pvt Ltd, Ahmedabad, India

May 2022 – Jul 2022

- Served as the go-to subject matter expert in chemistry and biology; findings led to the identification of the three biggest causes of vaccine instability during formulation.
- Designed and implemented comprehensive solutions and study materials for smoother and better understanding.
- Accelerated project timelines by 20% through the rapid resolution of complex chemistry and biology-related challenges, utilizing a deep understanding of biochemical pathways.

COURSES AND CERTIFICATIONS:

- Vaccine Technology
- Pharmaceutical Formulation Development
- Python for Biologist
- Laboratory Skills