**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