# NISHANT KUMAR

Rohtas ,Bihar 821303

 7380786212 [](mailto:surajsingh5092@gmail.com)[nishantkumarnk063@gmail.com](mailto:nishantkumarnk063@gmail.com) [www.linkedin.com/in/nishant-kumar591247248](http://www.linkedin.com/in/nishant-kumar591247248)

# Internship

**HITECH FORMULATIN PVT. LTD.**

## Skills Acquired: June 2024 - July 2024

* Pharmaceutical formulation techniques
* Quality control and testing procedures
* Documentation and regulatory compliance
* Cross-functional collaboration
* Laboratory safety and best practices

## Key Responsibilities

* Assisted in formulating and developing pharmaceutical products, ensuring regulatory compliance.
* Conducted quality control tests and prepared performance reports. Collaborated with cross-functional teams.
* Gained hands-on experience in laboratory techniques.
* Participated in the documentation process for product formulation and batch records.

# Projects

## CAPSTONE PROJECT

* Potential therapeutic application of SNEDDS of Lignan for the treatment of Parkinson’s Disease

## Overview:

## The study investigates the use of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) to improve the bioavailability and neuroprotective efficacy of lignans in Parkinson's Disease treatment.

## The study focuses on the formulation and optimization of SNEDDS using suitable oils, surfactants, and co-surfactants for efficient lignan encapsulation.

## Physicochemical characterization of the developed SNEDDS to assess droplet size, zeta potential, thermodynamic stability, and drug content.

## In vitro evaluation to determine the dissolution profile, release kinetics, and permeability of lignans from the SNEDDS formulation.

# Achievement

* + Achieved second prize in quiz competition during Science Spectrum

# Certificates

## Participation in International conference of pharmacy (ICP-2022) Nov-2022

## Participation in Science Spectrum under aegis of Division of Youth Affairs. Feb -2024

* + Participation in International conference on recent advances in Health Sciences April-2024
  + Delegate and poster presenter in internation conference of recent advance in Health Sciences. April-2024
* Certification of completion of one-month Industrial training from Hitech June-July-2024

# Technical Skills

* Pharmaceutical Instrumentation skills
* Adverse Event Reporting System (e.g. vigiflow)
* MS office skills

# Education

* **Lovely Professional University Punjab,** India

### Bachelor of Pharmacy Since August 2021

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* **Lady Anusuya Singhania Educational Academy** Jhalawar, Rajasthan

### Intermediate April 2019 - March 2021

* **D.A.V Public School** B.S. City, Jharkhand

### Matriculation April 2017 - March 2018