



# Vipin Kumar Pal

I am seeking an organization where I can leverage my passion and expertise in AI-driven bioinformatics, clinical research, and pharmaceutical sciences to contribute to the development and optimization of innovative products, processes, and market insights. With experience in areas like clinical trial data management, drug approval pipelines, and the application of AI in medicine, I bring a unique blend of analytical and technical skills. My work on projects such as rare disease database development and AI tools for improving women's health reflects my commitment to advancing healthcare solutions. As a highly motivated individual eager to learn and adapt, I continuously stay updated on emerging trends and technologies, ensuring their effective implementation in dynamic scenarios.

## Contact



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## Educational Background

**Delhi Pharmaceutical Sciences and  
Research University, Delhi**

Master of Science (2022-2024)

Artificial intelligence in medicine

Thesis title: Interferon kappa (ifnk) Genetics  
insight into its role in immune regulation

**CSJM University, Kanpur**

Bachelor of Pharmacy (2016-2020)

## Skills & Proficiencies

- Good Knowledge of MS Excel, MS PowerPoint, and MS-Word
- Interpersonal communication skills
- Focused, confident and quick learn
- Proficient in Python.
- Proficient in data insights
- Data Collection
- Certificate in Clinical data management

## Language

English

Hindi

## National Examination Qualified

Graduate Pharmacy Aptitude Test  
(GPAT)- 2022

UGC NET JUNE 2024 (LS)

## Publication

AI tools and trends for improving  
women's health

## Experience/ Internship

### Vgenomics India Pvt. Ltd | Noida

06/2023 - 12/2023

#### Research Intern

Development of Rare Disease Database

- Created and managed a detailed database aligned with the National Policy for Rare Diseases, ensuring compliance with national guidelines.
- The database focused on identifying rare diseases, treatment gaps, and patient demographics, providing a valuable resource for policymakers and pharmaceutical companies to design targeted interventions.

Use of Python in Rare Disease Data Management

- Utilized Python to automate data extraction, cleaning, and analysis for large datasets related to rare diseases.
- Developed Python scripts to integrate data from multiple sources, perform trend analysis, and generate insightful visualizations, streamlining research aligned with the National Policy for Rare Diseases.
- Implemented Python-based machine learning algorithms to predict rare disease prevalence and assess the impact of current healthcare policies.

AWS Console Utilization

- Used AWS tools for secure storage, scalable processing, and efficient management of rare disease data, ensuring high data integrity and accessibility for research purposes.

Research and Paper Writing

- Conducted comprehensive research on rare diseases and authored detailed papers highlighting the policy gaps and actionable recommendations to enhance healthcare delivery under the national framework.
- Presented data-driven insights to support decision-making in rare disease management and treatment development.

### ZIGRAM |Gurugram

11/2021- 04/2022

#### Research Analyst

Politically Exposed Person (PEP) Research

- Conducted in-depth research on Politically Exposed Persons (PEPs), focusing on identifying key individuals in political and diplomatic roles globally.

Politician Profile Development

- Built comprehensive profiles of politicians and diplomats, capturing critical information such as roles, affiliations, and significant activities.

Insightful Analysis of Diplomats

- Carried out detailed research on diplomats associated with embassies, analyzing their background, influence, and connections to their respective countries.

Strategic Research Contributions

- Provided actionable insights to support compliance, risk management, and decision-making processes for organizational and client requirements.

## Honors and award

### BAYER FELLOWSHIP PROGRAM-MEDHA

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