

# SURAJ SAMANTASINGHAR

Masters of Pharmaceutical Chemistry

## SUMMARY

I am a Pharmaceutical Chemistry research student and Masters of Pharmacy candidate at Parul University (Vadodara, India) with a strong focus on computational drug discovery, molecular docking, lead molecule identification and optimization, pharmacophore elucidation and binding site comparison for various drug molecules and significant experience in various wet-lab techniques.

## ACADEMIC DETAILS

- ✓ Master of Pharmacy in Pharmaceutical Chemistry (2025- Pursuing)  
Parul Institute of Pharmacy, Parul University, Waghodiya, Vadodara, Gujarat, India
- ✓ Bachelor of Pharmacy  
Utkal University, Bhubaneswar, Odisha, India  
CGPA: 8.82/10.0
- ✓ Higher Secondary School  
DAV Public School, Sector 6, CDA, Cuttack, Odisha, India  
*Percentage: 81.40%*
- ✓ Secondary School  
DAV Public School, Sector 6, CDA, Cuttack, Odisha, India  
*CGPA: 9.6/10.0*

## RESEARCH AND TECHNICAL SKILLS

- ✓ COMPUTATIONAL CHEMISTRY & MOLECULAR MODELLING
  - Autodock Tools (Docking)
  - BIOVIA Discovery Studio Visualizer
  - PyMOL Molecular Visualizer
  - SAMSON Molecular Docking
  - Chem Draw Ultra 12.0
  - AlphaFold Protein Structure Database user experience
  - Protein preparation & ligand preparation
- ✓ ANALYTICAL & SPECTROSCOPIC TECHNIQUE
  - UV-Visible Spectrophotometry
  - IR Spectroscopy
  - NMR interpretation
  - HPLC operation
  - TLC analysis

## ✓ SYNTHETIC ORGANIC CHEMISTRY SKILLS / WET-LAB TECHNIQUES

Knowledge and experience in multi-step organic synthesis, Reflux techniques, Distillation (simple, fractional, vacuum), Extraction (liquid-liquid, solid-liquid), Recrystallization, Filtration (vacuum, gravity), Column chromatography, Reaction monitoring by TLC, Work-up techniques (washing, drying, concentration), Crystallization & purification.

## ACHIEVEMENTS

- GPAT 2024 All India Rank 1614
- NIPER JEE 2025 All India Rank 357
- OJEE 2025 Odisha State rank 54
- CSIR UGC NET 2025 Qualified

## PROJECT / TRAINING / WORKSHOP

- Molecular Biology and Biochemistry Technique Workshop at Indian Institute of Technology, Bhubaneswar
- Industrial training at EDI EASTERN DRUG INDIA PVT. Limited and production of liquid antacids and cough syrups
- National Intellectual Property Awareness Mission by Office of Controller General of Patents Designs and Trademark, Ministry of Commerce and Industry, Government of India
- Project on the topic "Cancer Medication – Current Therapeutic Techniques and the Future Beyond" which explores the possibility of different innovative techniques of nano-medicines and gene silencing and prevention of cancer through RNA interference technique.
- Pharmacovigilance course training by Zamann Pharma Support

## CO-CURRICULAR ACTIVITIES

- ❖ Participated in APTICON 2024 (National Conference by APTI)
- ❖ Participated in Amptech India 2025 – Pharma Machinery & Lab Equipment Expo & Conference

LANGUAGES KNOWN: English, Odia, Hindi, German

SURAJ SAMANTASINGHAR

## REFERENCE

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