

Cheminformatics Internship with Accommodation at Chennai

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Active Categories

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Focused Areas

Chennai

Accommodation Location

How to View Accommodation Details and Booking Options

1. Open the Internships page or the corresponding Topics page.
2. Select the relevant focused area.
3. Select the available duration, mode and internship type.
4. Choose **Offline** mode to access accommodation booking options.
5. Continue to the fee/payment page and use the **Branches Select Option**.
6. After selecting the branch, use **Book NTHRYS Accommodation** to view accommodation fee, facility photographs, amenities and the available booking details.

Cheminformatics Internship Categories

AI Generative Molecular Design Research https://internships.nthrys.com/cheminformatics/ai-generative-molecular-design-research	Machine Learning QSAR/QSPR Research https://internships.nthrys.com/cheminformatics/machine-learning-qsar-qspr-research
AI Virtual Compound Library Design Research https://internships.nthrys.com/cheminformatics/ai-virtual-compound-library-design-research	AI Chemical Graph Neural Network Research https://internships.nthrys.com/cheminformatics/ai-chemical-graph-neural-network-research
AI Bioactivity Prediction Research https://internships.nthrys.com/cheminformatics/ai-bioactivity-prediction-research	AI Chemical Retrosynthesis Informatics Research https://internships.nthrys.com/cheminformatics/ai-chemical-retrosynthesis-informatics
AI Polypharmacology Cheminformatics Research https://internships.nthrys.com/cheminformatics/ai-polypharmacology-cheminformatics-research	AI Drug-Likeness Filtering Research https://internships.nthrys.com/cheminformatics/ai-drug-likeness-filtering-research
AI Scaffold Analysis & Hopping Research https://internships.nthrys.com/cheminformatics/ai-scaffold-analysis-hopping-research	AI Metabolite-Drug Interaction Research https://internships.nthrys.com/cheminformatics/ai-metabolite-drug-interaction-research
Molecular Fingerprint Development and Optimization https://internships.nthrys.com/cheminformatics/molecular-fingerprint-development-optimization	Chemical Space Exploration Mapping https://internships.nthrys.com/cheminformatics/chemical-space-exploration-mapping
Protein-Ligand Docking Scoring Function Research https://internships.nthrys.com/cheminformatics/protein-ligand-docking-scoring-function	Fragment-Based Drug Discovery Informatics https://internships.nthrys.com/cheminformatics/fragment-based-drug-discovery-informatics

Chemical Compound Database Curation https://internships.nthrys.com/cheminformatics/chemical-compound-database-curation	Natural Product Cheminformatics Analysis https://internships.nthrys.com/cheminformatics/natural-product-cheminformatics-analysis
Chemotoxicology Predictive Modeling Research https://internships.nthrys.com/cheminformatics/chemotoxicology-predictive-modeling-research	De Novo Drug Design Algorithm Development https://internships.nthrys.com/cheminformatics/de-novo-drug-design-algorithm-development
Chemical Patent Analysis and Mining https://internships.nthrys.com/cheminformatics/chemical-patent-analysis-mining	Cheminformatics Pipeline Automation Development https://internships.nthrys.com/cheminformatics/cheminformatics-pipeline-automation-development
Molecular Diversity Assessment Algorithms https://internships.nthrys.com/cheminformatics/molecular-diversity-assessment-algorithms	Chemical Structure Standardization Methods https://internships.nthrys.com/cheminformatics/chemical-structure-standardization-methods
Enzyme Substrate Specificity Prediction https://internships.nthrys.com/cheminformatics/enzyme-substrate-specificity-prediction	Chemical Ontology and Knowledge Graph Construction https://internships.nthrys.com/cheminformatics/chemical-ontology-knowledge-graph-construction
Solubility and ADME Property Prediction Research https://internships.nthrys.com/cheminformatics/solubility-adme-property-prediction-research	Chemical Reaction Type Classification Learning https://internships.nthrys.com/cheminformatics/chemical-reaction-type-classification-learning
Multi-Target Activity Prediction Cheminformatics https://internships.nthrys.com/cheminformatics/multi-target-activity-prediction-cheminformatics	Chemical Similarity and Clustering Methods https://internships.nthrys.com/cheminformatics/chemical-similarity-clustering-methods
Molecular Descriptor Development and Selection https://internships.nthrys.com/cheminformatics/molecular-descriptor-development-selection	Lead Compound Optimization Strategy Research https://internships.nthrys.com/cheminformatics/lead-compound-optimization-strategy-research
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Chemical Intuition and Rule-Based Systems https://internships.nthrys.com/cheminformatics/chemical-intuition-rule-based-systems	Compound Library Design and Optimization https://internships.nthrys.com/cheminformatics/compound-library-design-optimization
Drug-Disease Association Network Analysis https://internships.nthrys.com/cheminformatics/drug-disease-association-network-analysis	Chemical Affordability and Synthetic Accessibility Assessment https://internships.nthrys.com/cheminformatics/chemical-affordability-synthetic-accessibility-assessment
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Metabolism-Based Drug-Drug Interaction Prediction https://internships.nthrys.com/cheminformatics/metabolism-based-drug-drug-interaction-prediction	Cheminformatics for Immunotherapy Research https://internships.nthrys.com/cheminformatics/cheminformatics-immunotherapy-research
Chemical Combinatorial Space Sampling Research https://internships.nthrys.com/cheminformatics/chemical-combinatorial-space-sampling-research	Peptide and Protein Sequence Cheminformatics https://internships.nthrys.com/cheminformatics/peptide-protein-sequence-cheminformatics
Chemical Fingerprint Comparison and Benchmarking https://internships.nthrys.com/cheminformatics/chemical-fingerprint-comparison-benchmarking	Machine Learning Model Interpretability in Chemistry https://internships.nthrys.com/cheminformatics/machine-learning-model-interpretability-chemistry
Chemical Batch Effect Detection and Correction https://internships.nthrys.com/cheminformatics/chemical-batch-effect-detection-correction	Emerging Contaminant Prediction and Detection https://internships.nthrys.com/cheminformatics/emerging-contaminant-prediction-detection

Cheminformatics Internship Topics and Focused Areas

AI Generative Molecular Design Research

- Generative Models for Drug-like Molecule Synthesis
- Molecular Property Prediction using Deep Learning
- De Novo Drug Discovery with Reinforcement Learning
- Molecular Scaffold Optimization and Library Design
- Explainable AI for Structure-Activity Relationship Modeling

Machine Learning QSAR/QSPR Research

- Molecular Descriptor Engineering for QSAR Model Development
- Machine Learning Algorithm Optimization for QSPR Predictions

- Dataset Curation and Validation for Cheminformatics Modeling
- Model Interpretation and Explainability in Chemical Property Prediction
- Transfer Learning and Deep Learning for Chemical Space Exploration

AI Virtual Compound Library Design Research

- Molecular Generation Models for Drug Discovery
- Virtual Screening and Molecular Docking Workflows
- Chemical Space Exploration and QSAR Modeling
- Synthetic Accessibility Assessment and Retrosynthesis Planning
- Cheminformatics Database Development and Curation

AI Chemical Graph Neural Network Research

- Molecular Property Prediction using Graph Neural Networks
- Drug Discovery Pipeline Optimization with GNNs
- Chemical Reaction Outcome Prediction
- Molecular Graph Generation and De Novo Drug Design
- Attention Mechanisms in Chemical Graph Networks

Molecular Fingerprint Development and Optimization

- Fingerprint Algorithm Comparison and Benchmarking
- Machine Learning-Based Fingerprint Feature Selection
- Custom Fingerprint Design for Drug-Like Molecules
- Fingerprint-Based Molecular Diversity Analysis
- Deep Learning Models for Fingerprint Generation and Optimization

Molecular Descriptor Development and Selection

- Quantitative Structure-Activity Relationship (QSAR) Descriptor Engineering
- Machine Learning-Based Molecular Descriptor Selection and Feature Reduction
- 3D Molecular Descriptor Generation and Conformational Analysis
- Cheminformatics Descriptor Benchmark Development and Validation
- Custom Descriptor Implementation and Chemical Space Characterization

Lead Compound Optimization Strategy Research

- Structure-Activity Relationship (SAR) Analysis and Machine Learning Modeling
- Molecular Descriptor Generation and Feature Engineering for Lead Optimization
- Virtual Screening and Docking-Based Lead Prioritization
- ADME Property Prediction and Drug-Likeness Assessment
- Scaffold Hopping and Chemical Space Exploration for Novel Lead Generation

Metabolism-Based Drug-Drug Interaction Prediction

- Cytochrome P450 Enzyme Inhibition Modeling
- Metabolic Pathway Analysis and Substrate Classification
- Machine Learning Models for DDI Prediction
- Pharmacophore Development for Metabolic Enzyme Binding
- DDI Database Curation and Structure-Activity Relationship Mining

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