About Me



NAME

Bishnu Sarker

TITLE

Assistant Professor of Health Informatics,
Department of Information Science

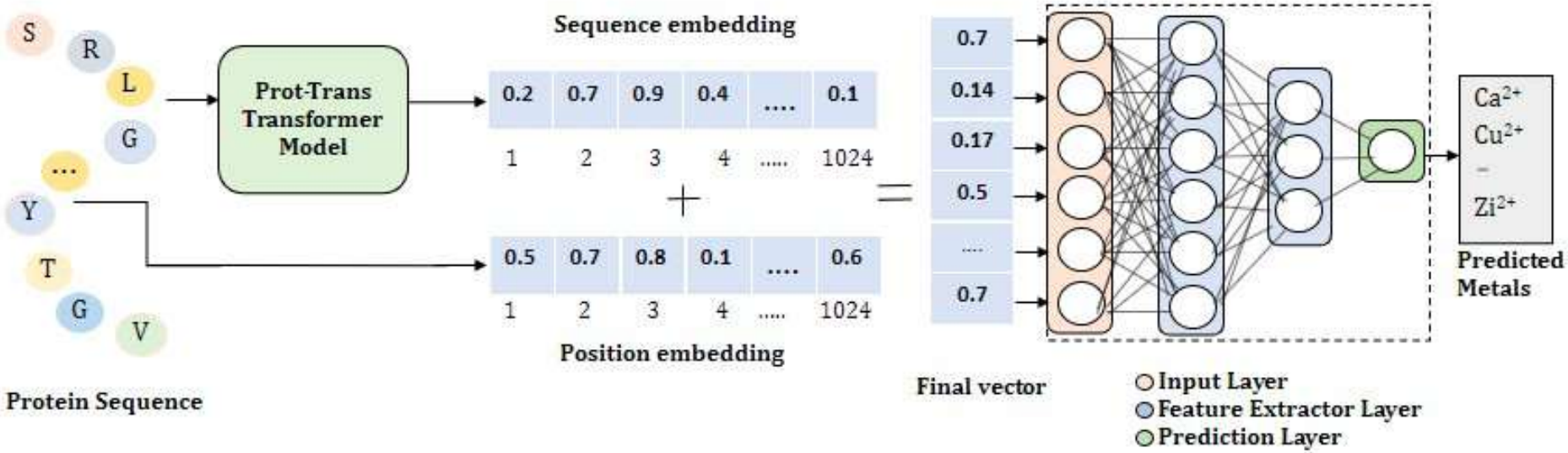
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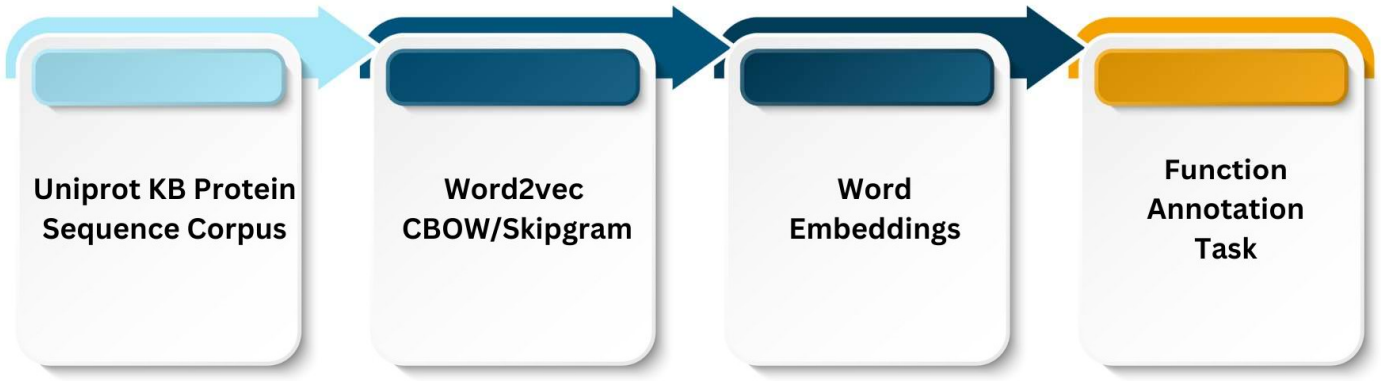
RESEARCH FOCUS AREAS

- **Health Informatics**: Patient Trajectory Modeling, Early Detection, Clinical Risk Prediction, Clinical Notes Analysis, EHR Data Modeling, Clinical Language Models.
- **Computational Biology:** Automatic Enzyme classification, Metal Binding Site Prediction, Generative Protein Design, Drug Discovery, Drug Repurposing, Cell Type Annotation.
- **Omics data mining:** Bioinformatics, Next Generation Sequencing(NGS) data analysis, Variant Calling, SNP/SNVs. B-Cell Repertoire Analysis, Sequence Visualization, Clustering.Integrative multi-omics data analysis. Muti-modal genomics data science.
- **Network Data Science:** Graph Data Mining, Geometric Deep Learning, Knowledge Graph Embedding, Link Prediction, Graph Neural Network.
- **Artificial Intelligence:** Machine Learning, Deep Learning, Generative Adversarial Network, Explainable Reasoning.

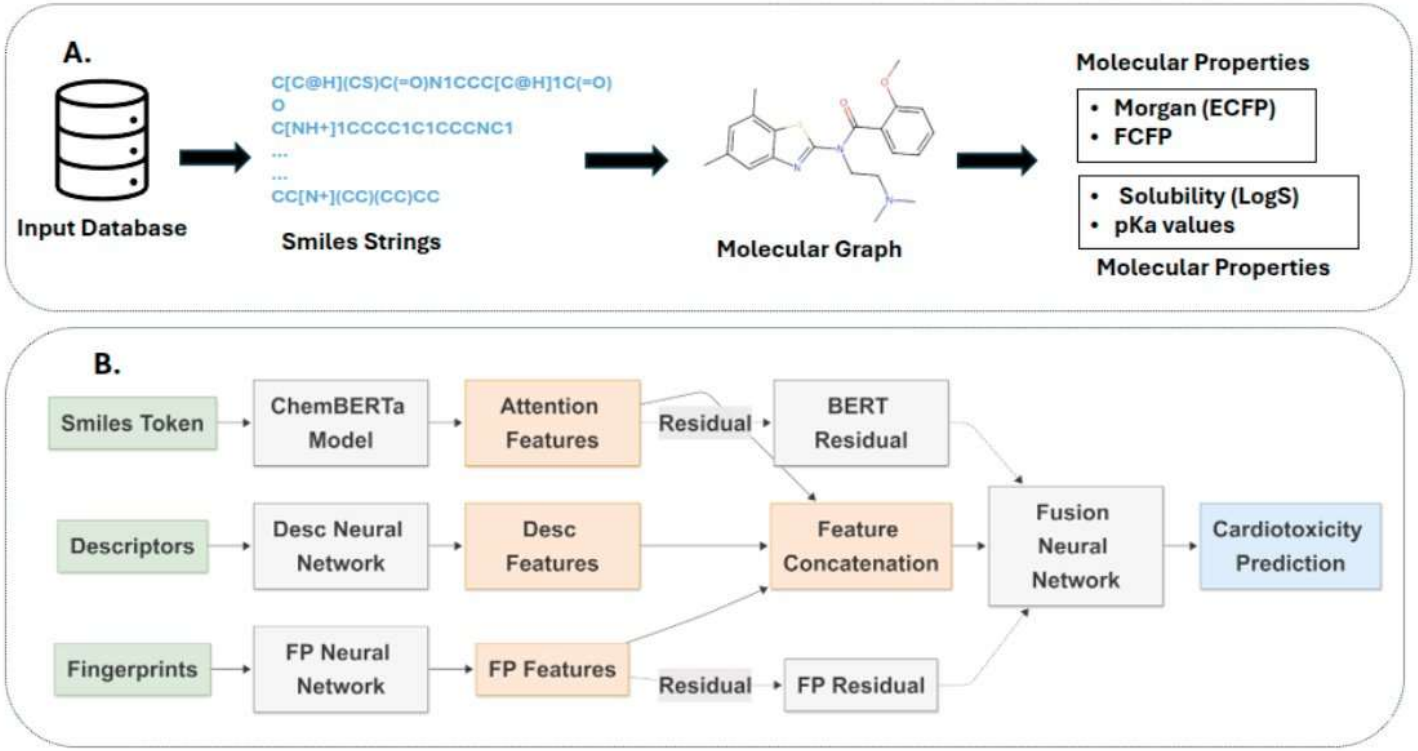
Metal Binding Site Prediction



Automatic Function Prediction of Biomolecules



Toxicity Predictions of Potential Therapeutics



Precision Therapeutic Design

