

Divyanshi Verma

MSc in Computational and Integrative Sciences, JNU '22
Github id: DivyanshiVerma

Phone: (+91)8004007777
Email: divyanshi.verma18@gmail.com

Education

Jawaharlal Nehru University, New Delhi	2020-2022
Master of Science, Major in Computational and Integrative Sciences	7.7/9
University of Delhi, New Delhi	2017-2020
Bachelor of Science, Major in Life Science	7.9/10

Achivements

- JNUEE **Rank 1** in CISM (MSc in Computational and Integrative Sciences) JNU
- Certification in Molecular Biology and Biochemistry Techniques from **IIT Hyderabad**
- Certification in (Meta) Genomics and Bioinformatics from PhiXgen Delhi University

Work Experience And Projects

- **ExInno - Fullstack Web Developer** *March 2023 - ongoing*
 - Platform that enables organizations to streamline their digital transformation journey.
 - Used VueJS, React and Quasar framework for frontend and Nestjs and Typescript for the backend, following best practices and framework guides.
- **Drinketh Diary - Fullstack Web Development** *September 2022 - March 2023*
 - Build a fullstack web application hosted at drinkethdiary.divyanshiverma.com
 - Used Nestjs and Typescript for the backend, following best practices and framework guides.
 - Built the frontend using Angular and Angular Material components.
 - Setup authentication using JWT and firebase Phone OTP login.
 - Hosted the backend on AWS using Elastic Beanstalk and frontend on firebase.
 - Learned to use a non-relational database. Database is setup with MongoDB Atlas.
- **IIIT Hyderabad - Research Fellowship** *under Prof. U. Deva Priyakumar, July-September 2022*
 - Potential Energy Prediction for Drug Discovery using Machine Learning.
 - Study of Bag Of Bonds model derived from NLP technique for text mining.
 - Many-body potentials and nonlocality prediction in the chemical compound space.
- **Docking analysis of protein molecules** *2021*
 - Calculation of the binding affinity of 5 molecules to the protein HIV-protease.
 - Comparison of ligands via molecule binding affinity using EADock DSS algorithm of Swiss Dock software.
- **Tic Tac Toe Game** using min max algorithm, built using Python *2020*

Software Certifications

- **Advance SQL Course** *2022*
 - Went beyond basic SQL syntax and learned to use UNION and JOIN operations.
 - Learned about optimizing SQL queries and their affect on applications.
- **Data Cleaning and Data Visualization Course** *2022*
 - Plotted graphs using Seaborn library, a statistical data visualization library.
 - Learned about handling corner cases, missing and invalid values. Using Pandas and Numpy.

Technical Skills

Languages	Python, R, HTML, CSS, JS, SQL
Frameworks/Tools	Angular, Vue, React, Nestjs, Express, Node, Bootstrap, Redis, PostgreSQL, MongoDB, Anaconda, Spyder IDE, MS Office
Operating Systems	Ubuntu, Windows