**Avnam Ohri**

[**Github**](https://github.com/Avnam-ohri)[**LinkedIn**](https://www.linkedin.com/in/avnam-ohri-78658317b/)[**Website**](https://avnam-ohri.github.io/Portfolio/) **Rajasthan, India**

**Email-avnamohri@gmail.com**

**SKILLS**

**Programming |** JavaScript, Python, Golang

**Web & Database |** HTML, CSS, MongoDb

**Frameworks | React.js, Sci-kit learn, NumPy, Pandas, Nodejs**

**Tech |** Git, Docker, Linux, Gromacs, Bash

**EDUCATION**

Bachelor of Science Biotechnology – University of Rajasthan– 76.8% 2016-2019

Masters of Science Biotechnology – University of Rajasthan- 69.25% 2019-2021

Relevant Coursework: Bio-informatics, Python, Data Science

**INTERNSHIP** 6 months

**Machine learning based virtual screening and molecular dynamics simulation study of selected hits against essential drug targets of SARS-CoV-2.**

* Built an Unsupervised Machine Learning model using K-means clustering.
* Potential targets were screened based on available controls from isolated clusters for each target
* Simulation studies were performed to predict the usability of selected targets
* Linux based simulation was done with GROMACS
* Used multiple servers for simultaneous simulations at 50ns

**EXPERIENCE**

[**CryptoMania**](https://cryptomaniaavnam.netlify.app/) **(Front-end Project)**

* Built a web-app in react which shows top cryptocurrencies using **Rapid API.**
* Used Ant design for the architecture of the web-app
* Multi-page React application
* Used **Redux** for State management.
* Implementation of different concepts in component style architecture using **Ant design and chart.js.**

[**Particle Blast**](http://particleblast.netlify.app/)

* Re-engineered a **HTML canvas** element project made with vanilla JavaScript **using react,** which depicts an aesthetic blast of circular colored spectrum. The project was completed in the span of 1 week.
* **React Hooks** were utilized to manage the constant changing nature.
* Future Prospects include to make the **website responsive along** with the integration of three.js for 3D effect.

**WORK AND LEADERSHIP**

Theater Teacher | Coached a team of 13 people for professional theater experience

Workshop | Conducted a bio-informatics workshop at college level for undergrad students. Team leader award as well as | Mr. Farewell in graduation

Interests | Machine learning, Stock market, Music, Comics.