Avnam Ohri

Github LinkedIn Rajasthan, India

SKILLS

Programming | JavaScript, Python, Golang, PHP
Web & Database | HTML, CSS, MYSQL
Frameworks | React.js, Sci-kit learn, NumPy, Pandas
Tech | Git, Docker, Unix, Vscode, Jupyter Notebook, Gromacs

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

PROJECTS

CryptoMania (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
- 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.