ALWYN WILSON

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EDUCATION

Bachelor of Technology (**B.Tech**.) in Electronics and Communication Engg.   **CGPA: 7.23** (2019 - 2023)

Christ College of Engineering, Irinjalakuda   Kerala, IN

PROJECTS

Alphabind   (Sept 2022 - May 2023)—alphabind.streamlit.app

- Created an innovative software solution that significantly accelerated drug discovery, slashing both time and costs by 72% and 65% respectively. Incorporated automated data cleansing.
- Designed a powerful algorithm to automate the cleansing of intricate biomedical data.
- Effectively engineered and incorporated machine learning models into the software, facilitating swift and precise predictions with an average accuracy rate of 89% across all tested use cases.
- Introduced an additional feature of pathogen identification using DNA against NCBI database.

Computational drug discovery using machine learning for Blood cancer (FLT3)   (Jan 2022 - May 2022)

- Worked on data analysis and building machine learning models to analyse and predict the binding potential of molecule on a target protein for blood cancer.
- Used python packages like Scipy, Numpy for bioactivity analysis and worked with over a million datapoints.

SKILLS

- Programming languages : **Python, C++.**
- **SQL**, Data analysis using python.
- **HTML, CSS, Javascript**.
- **Streamlit.**
- Microsoft office.

EXPERIENCE

Intern - Sensor integration   Dec 2020

-Centre for development of Advanced Computing (**CDAC**), Thiruvanthapuram

- Worked on Assembler robot using Arduino,ESP8266 and interfaced using an MIT App inventor.
- Learned about different electronic sensors and their integration.

Intern - python programming   Dec 2021

-Centre for development of Advanced Computing (**CDAC**) Thiruvanthapuram

- Learned the fundamentals of python and worked on different python packages like Scipy, Numpy.
- Worked on Different python packages and completed a data analysis project involving thousand data points.

ACHIEVEMENTS

- National level Hackathon finalists (Lifeathon 2021).
- Finalists of State level hackathon (HackSUS 1.5).
- Second runners up in idea pitching competition (Ideate 2019).
- Winners at intra - college Music band Competition.