EXPERIENCE

National Centre for Physics   **July 2022 - Sep 2022**
Intern   *Islamabad, Pakistan*
- Designed and developed ANN model in `Pythorch` to predict the lattice energy of the crystal based on elemental properties and structural features.
- Hands on experience on using PROP-het machine learning C++ library.
- Through Study of various fundamental machine learning models including Decision Trees, PCA, Linear, Polynomial, Ridge, logistic and Lasso, Regression, splines and curve fitting and Cross Validation.
- Cleaning and pre-processing of Data generated by VASP in Python.

Startup, Inc   **May 2019 – August 2019**
Front End Developer Intern   *City, State*
- Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.
- Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Utilized Android Studio as a development environment in order to visualize the application in both iOS and Android.