PRASHANT KUMAR

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Education

Indian Institute of Technology Mandi   July 2019 – Present
Bachelor and Master of Technology Integrated Dual Degree in Computational Bioengineering   7.70/10

Doon Sr. Secondary School   April 2016 - March 2018
Senior Secondary, CBSE   80.4/100

Relevant Coursework

- Machine Learning
- Deep Learning
- Linear Algebra
- Applied Biostatistics
- Bioinformatics
- Analysis of Bioalgorithms

Projects

AI Chat bot In Ecommerce website | *Python, NLP, Tensorflow, Tkinter*
- AI chat bot is created to help customers get the information they need.
- Developed using Python with Tensorflow.
- Implemented with Tkinter for interacting user interface.

Abalone Age Predictor | *Python,Pandas,Sklearn*
- Prediction of Abalone's age through its number of rings.
- Predictions were made with Regression model.
- All the regression models were used and model with least RMSE was selected.

Surface defects Classifier | *Python,Pandas,Sklearn*
- It correctly classifies the type of surface defects in stainless steel plates, with six types of possible defects.
- Two classifiers models were used which are K-Nearest Neighbour Classifier and Bayes Classifier and best one is chosen.

Effects of medicines on Cholesterol level | *R, ggplot*
- A bio-statistics approach to determined which medicines are more effective in lowering the cholesterol level of different patients.
- R programming language and its library were used.

Technical Skills

Languages: Python, R, SQL
Developer Tools: VS Code, Anaconda
Data Science: Keras, TensonFlow, Pandas, Scikit-Learn, Numpy, MatplotLib

Leadership / Extracurricular

Kamand Bioengineering Group   January 2022– Present
Mentor   *IIT Mandi*
- Founding member of Kamand Bioengineering Group.
- Kamand Bioengineering Group(KBG) is the newest club of IIT Mandi with aim of creating vibrant student community in the field of bioengineering.

iGEM IIT Mandi   Feb. 2021– Present
Core Team Member   *IIT Mandi*
- Founding and core team member of iGEM Team of IIT Mandi

Biofest'21   8 - 10 July 2021
Lead Organizer   *IIT Mandi*
- BioFest'21 Flash Talk Competition Lead Organizer.