

# PRASHANT KUMAR

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## EDUCATION

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**BTech + MTech Dual Degree in Bio-Engineering, Indian Institute of Technology, Mandi**

📅 Aug 2019 – Present

- **CGPA: 7.75/10**
- **Relevant Courses:** Data Science I, II, III , Bioinformatics , Deep Learning and Applications , Biostatistics, Computational Biology , Analysis and Design of Algorithms

**Senior Secondary (CBSE) 2018 percentage:** 85.6/100

**Secondary (CBSE) 2016 CGPA:** 10/10

## LANGUAGES AND TECHNOLOGIES

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- **Programming Languages:** Python, Perl, R, HTML
- **IDEs and Programming Tools:** Spyder, VS Code, Jupyter Notebook, Google Colab
- **Data Science:** Keras, TensorFlow, Pandas, Scikit-Learn, Numpy, Matplotlib

## PROJECTS

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- **Siya:** Siya is an AI chat bot which is created to help customers get the information they need. Siya can be used on any commercial website. Implemented with Flask for interacting user interface. (Python, NLP, Tensorflow, Flask)
- **Gut Microbiome Classifier:** To classify which bacteria is there in our gut, a model is created with R language and its library. This is the ongoing project supervised under Dr. Tulika P. Srivastava. (R, SOM )
- **Abalone Age Predictor:** Prediction of Abalone's age through its number of rings using Regression Models. All the regression models were used and model with least RMSE was selected. (Python, Pandas, Sk-learn)
- **Effects of medicines on Cholesterol level:** A bio-statistics approach to determine which medicines are more effective in lowering the cholesterol level of different patients. R programming language and its library were used. (R, ggplot)

## LEADERSHIP / EXTRACURRICULAR

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- **Kamand Bioengineering Group: *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: *Founding and core team member*** of iGEM Team of IIT Mandi. iGEM is an academic competition aimed at improving peoples' understanding of synthetic biology. It is the most renowned Synthetic Biology competition for students.
- **Biofest'21: *Lead Organizer*.** Biofest is an annual marquee event for the students of Bioengineering in which students get the opportunity to explore the field of Bioengineering.