

Education

2020–2024 **BITS Pilani, K K Birla Goa Campus,**
Computer Science, Bachelor of Engineering.
GPA – 8.71/10

Projects

- Aug 2021 **Comparison of different learning approaches [Code]**, *Independent project.*
- Used a Resnet model as the base model on STL 10 dataset.
 - Performed semi supervised learning(using pseudo labelling) using a basic CNN model and used SIMCLR for self supervised learning.
 - Compared the three approaches for their efficiency and accuracy.
- Aug 2021 **Probing language inference models [Code]**, *Independent project.*
- Probing for POS tags on different layers of the classifier model on SNLI dataset.
- Nov **Meta learning using JAX [Code]**, *Contributor.*
- 2021-Present
 - Implementing various Meta Learning methods in JAX and benchmarking them on few-shot learning tasks
- Jan **Source code synthesis** , *Industry project.*
- 2022-Present
 - Developing a model to perform code search, syntax error detection and code repair on different programming languages
- Jan **ATP Binding sites in protein synthesis** , *Supervisor:Dr. Swati Agarwal.*
- 2022-Present
 - Creating a model for protein-ATP binding sites prediction based on sequence information.

Skills

Languages Python, C,C++, Julia, Java
Frameworks Keras, PyTorch, Tensorflow
Libraries Numpy,Pandas, Matplotlib
Utilities Anaconda, Git, Jupyter Notebook
Communication English, Hindi

Relevant Courses

Online Convolutional Neural Networks for Visual Recognition(CS231n), Deep Learning.Ai Specialization, Machine Learning(Stanford)

Classroom Linear Algebra, Differential Calculus, Probability and Statistics,Computer programming

Committees

- Member **Society for Artificial Intelligence and Deep Learning.**
- SAiDI is a non-profit, special interest group of motivated individuals based out of BITS Pilani, working on research and application of Artificial Intelligence and Deep Learning.
- Member **BITS Goa Women in Tech.**
- A community of BITS Goa's Women in Technology where we collaborate, discuss ideas, and share opportunities.
- Core Member **IEEE.**
- The IEEE BITS Goa Student Chapter is a student run organization that intends to encourage professional awareness within the technical community of the campus.

Teaching and Volunteer experience

Introduction and application of machine learning.

- Taught batch-mates the basics of machine learning and helped them get started in the field.