

# KANISHK SINGH DAYMA

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🐙 GitHub



## PROJECTS

ByteForge - Online Coding Lab Platform

Dr. Romi Banerjee | [GitHub Link](#)

📍 React, Tailwind CSS, DaisyUI, Node.js, MongoDB, Jdoodle API

- Developed a full-stack web platform to streamline coding assignments in educational settings, bridging the gap between instructors and students.
- Implemented robust user role management, enabling instructors to create, edit, and delete assignments, and students to view, submit, and receive grades on code submissions.

Object Recognition on CIFAR-10

Dr. Anand Mishra | [Project Website](#) | [GitHub Link](#)

📍 Python, NumPy, scikit-learn, TensorFlow, Keras, Matplotlib, Streamlit

- Implemented a comprehensive object recognition pipeline on the CIFAR-10 dataset, evaluating both traditional machine learning and deep learning models for multi-class image classification.
- Implemented and compared multiple algorithms: Linear Regression, K-Nearest Neighbors (KNN), Logistic Regression, Support Vector Machines (SVM - Linear & RBF), Decision Trees, Naive Bayes, Gaussian Mixture Models (GMM), DBSCAN, K-Means Clustering, Artificial Neural Networks (ANN), and Convolutional Neural Networks (CNN).

Smart Search: Autocomplete Feature

DSA Project | [GitHub Link](#)

📍 C++, Trie, Data Structures, Web Development

- Created a web-based autocomplete and spelling checker system using efficient **Trie** and **Suffix Trie** data structures for fast prefix, infix, and suffix-based word suggestions.
- Achieved instant, accurate word recommendations and robust error handling, demonstrating advanced data structure application and full-stack development skills.

Spotify Clone: Cross-Platform Music Streaming App

Flutter Project | [GitHub Link](#)

📍 Flutter, Dart, Firebase, Bloc, Hydrated Bloc, Clean Architecture

- Engineered a full-featured Spotify-inspired music streaming application using **Flutter** and **Dart**, following clean architecture principles for scalable and maintainable code.
- Integrated **Firebase Authentication** and Firestore for secure user management and real-time data storage.
- Implemented dynamic theme switching (light/dark mode) with **Bloc** and **Hydrated Bloc** for persistent state management.

## EDUCATION

Bachelor of Technology

Indian Institute of Technology, Jodhpur

📅 August 2023 – August 2027

CGPA : 7.95

Class XII

St. Anselm's Pink City School

📅 July 2023

96%

Class X

St. Anselm's Pink City School

📅 June 2021

95%

## SKILLS

- **Languages:** Python, C++, C, Dart
- **Technologies:** TensorFlow, Keras, PyTorch, OpenCV, NumPy, Pandas, Scikit-Learn, Seaborn
- **App Development:** Dart, Flutter, Firebase, Android SDK
- **Utilities:** Git, GitHub,  $\text{\LaTeX}$ , Linux, Google Colab, Jupyter Notebook

## COURSEWORK

- Data Structures and Algorithms
- Pattern Recognition and Machine Learning
- Linear Algebra and Calculus
- Probability, Statistics and Stochastic Processes
- Introduction to Computer Science

## ACHIEVEMENTS

- **Topper (Scored most in Science Stream)** in my school (CBSE Board).