Prajwal Korban

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Built **8+ real-world projects**, published **10+ open-source** repos, and led a coding club impacting **50+ students**

PROFESSIONAL EXPERIENCE

Accenture North America Data Analytics and Visualization Job Simulation on Forage   **August 2024**
- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture
- Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders

Lloyds Banking Group Data Science Job Simulation on Forage   **July 2025**
- Completed a job simulation involving customer churn prediction for the Data Science & Analytics team at Lloyds Banking Group
- Developed and implemented a predictive model using random forest and other machine learning algorithms, achieving an ROC-AUC score of 0.82
- Conducted advanced data preprocessing, including handling missing values, encoding categorical variables, and feature scaling, utilising Python libraries such as pandas, scikit-learn, and matplotlib
- Performed comprehensive model evaluation and tuning, optimising hyperparameters with GridSearchCV, and applied feature importance analysis to derive actionable business insights

EDUCATION

Rai Technology University, Bengaluru   **2024-2028**
Bachelor of Technology, Computer Science – Data Science

INVOLVEMENT

Founder & Lead, Tantrik Tech Club – Rai Technology University

- Founded a student-led tech community focused on coding, innovation, and peer learning; organized 10+ hands-on workshops and sessions on C programming, web development, and data science for 50+ first-year students under the motto *"Harnessing Technology for a Better Tomorrow."*

PROJECTS

- Churn Prediction App – **Python, Scikit-learn, Streamlit, pandas**
  - Developed and deployed a machine learning web application that predicts whether a bank customer is likely to leave (churn), helping banks identify at-risk clients early.
  - Collected and cleaned real-world customer data, performed EDA, and applied feature engineering techniques.
  - Trained multiple classification models (Logistic Regression, Random Forest, etc.) and evaluated them using metrics like accuracy, confusion matrix, and ROC-AUC.
  - Built a clean, responsive UI using Streamlit to allow real-time user input and predictions.
  - Deployed the app on Render for public access: bank-churn-prediction-app.onrender.com
  - Code & documentation: GitHub Repository

- TV Shows & Movie Recommendation System – **Python, pandas, Scikit-learn, React**
  - Built and deployed a content-based recommendation system that suggests similar Netflix shows or movies based on user input.

- Used cosine similarity on TF-IDF features derived from movie genres, cast, and descriptions.

- Processed and cleaned Netflix dataset to handle missing values and standardize features.

- Developed a user-friendly React interface to input a movie/show name and get top similar recommendations in real-time.

- Deployed on Render for public use and testing.

- Source Code: [GitHub Repository](#)

- [Email Spam Detection System](#) – **Python, Scikit-learn, pandas, NLP**
  - Developed a machine learning model to classify emails as spam or not spam using text preprocessing and supervised learning techniques.
  - Cleaned and processed raw text data using NLP techniques like tokenization, stopword removal, and TF-IDF vectorization.
  - Trained and compared classification models including Naive Bayes and Logistic Regression for optimal accuracy.
  - Achieved high performance with evaluation metrics like accuracy, precision, recall, and F1-score.
  - Built a minimal, interactive interface for users to input email text and instantly receive classification results.
  - Source Code: [GitHub Repository](#)

- **Other projects include**:
  - **[Heart Disease Prediction App](#)** – ML-based app that predicts heart disease risk using clinical data and classification models
  - **[Sentiment Analysis Tool](#)** – Analyzes user-generated text to classify sentiment using NLP and ML techniques
  - **[Hello PK Voice Assistant](#)** – Python-based voice assistant that answers queries and automates basic system tasks

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Javascript
- **Technologies/Frameworks:** Numpy, Pandas, Matplotlib, Scikit-Learn, TensorFlow, MySQL, React, Git & GitHub.

ADDITIONAL INFORMATION

- **Hackathons/Competitions:**
  - **Cicada 2024 Intercollege Hackathon** at Atria Institute of Technology, Bengaluru
  - **Chaturya 2024 Hackathon** at Ramaiah Institute of Technology, Bengaluru

- **Languages:** English (Professional), Kannada (Native), Hindi (Professional)
- **Interests:** AI products, Cricket, Teaching, Travelling, VFX