RABINDRA KUMAR

Machine Learning Engineer

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PROFESSIONAL SUMMARY

Results-driven Machine Learning Engineer with a strong foundation in building scalable ML systems and deploying models in production. Proficient in Python, TensorFlow, Scikit-learn, and cloud platforms like AWS. Skilled in data preprocessing, feature engineering, model training, evaluation, and optimization. Experienced in developing end-to-end ML pipelines for real-world applications in classification, regression, and NLP. Passionate about applying machine learning to solve complex problems and drive data-informed decision-making.

SKILLS

Programming Languages : Python, SQL
Libraries & Frameworks : NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras, PyTorch
Core Competencies : Machine Learning, Deep Learning, Natural Language Processing (NLP), EDA , Data Visualization
Soft Skills : Critical Thinking, Problem Solving, Communication, Time Management, Teamwork

EDUCATION

- Bachelor of Science in Data Science [Indian Institute of Technology Patna, PATNA]

PROJECTS

Email Spam Classifier NLP Link

- Developed a binary classification model to detect spam emails using NLP and machine learning techniques
- Applied data cleaning, tokenization, and TF-IDF vectorization
- Achieved 97% accuracy using Multinomial Naive Bayes

Cricket Score Predictor using Machine Learning Link

- Built a regression model to predict final cricket scores using match data such as current run rate, wickets left, and overs remaining
- Implemented feature engineering and trained models like Linear Regression and Random Forest Achieved a prediction accuracy with Mean Absolute Error

Clothing Brands Reviews using RNN Link

- Developed an end-to-end NLP pipeline using Recurrent Neural Networks (RNN) in TensorFlow/ Keras to classify over 20,000 clothing reviews, achieving ~92% accuracy on the test set.
- Preprocess textual data with NLTK (tokenization, Stopword removal, lemmatization) and engineered features using tokenizers and padded sequences; applied embedding and dropout layers to enhance model generalization.

CERTIFICATIONS

- **Deloitte Australia Data Analytics Job Simulation on Forage - June 2025**
  Completed a Deloitte job simulation involving data analysis and forensic technology

- Artificial Intelligence – Completed a certification in Artificial Intelligence covering **ML, DL, NLP, computer vision, and AI** ethics | **Infosys Springboard**