Bhoop Singh

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Passionate and driven **machine learning engineer** with **1+ years** of experience designing and developing **large scale, privacy-aware recommendation engines**, with a focus on using **statistical techniques** and **applied machine learning** to drive **feature development** and **product growth**.

EDUCATION

College of Technology and Engineering (Artificial Intelligence And Data Science)   **Aug 2021 - July 2025**

GPA 6.4

SKILLS

Programming Languages: C, C++, Javascript, Python, SQL,HTML,CSS

Concepts: Agile Development, Artificial Intelligence, Big Data, Cloud Computing, Computer Architecture, Database Management, Image Analysis, Web Development, Machine Learning, Deep Learning, Natural Language Processing, Parallel Processing, Robotics, Data Visualization, Data Mining, Statistical Analysis, Predictive Modeling

Tools: Spark, Hadoop, Tensorflow, Flask, Amazon Web Services, Google Cloud Platform, Jupyter, Pandas, Scikit-Learn, Numpy, PyTorch, Keras, MySQL, PostgreSQL, Tableau

Spoken Languages: English, Hindi

Projects

Recommender System Project
• Build a system to recommend movies to users based on their past rating
• Collaborative Filtering using user-item interaction data,Evaluating with metrics like RMSE
• Implementing Matrix Factorization with SVD or ALS

Fake News Detection Project
• Designed a machine learning model to detect fake news using **natural language processing** techniques
• Impemented classification algorithms such as PassiveAggressiveClassifier and Naïve Bayes to identify fake news with high accuracy
• Developed and deployed a web application using Streamlit to provide real-time fake news detection to users