

BHASKAR SINGH

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Portfolio: <https://bhaskars-portfolio.vercel.app>



EDUCATION

- Graphic Era Deemed to be University, Dehradun, Uttarakhand
B.Tech (Computer Science and Engineering with specialization in AI & ML), 2026
SGPA: 8.24
Coursework: DBMS, Machine Learning and Deep Learning, Operating System, Data Structure and Algorithms, Computer Networks

TECHNICAL SKILLS

- Programming Languages:** Java, Python
- Machine Learning:** Standard ML Algorithms
- Deep Learning:** CNN, RNN, LSTM, Bidirectional RNN, Transformers- BERT
- Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn
- Libraries & Frameworks:** Scikit-learn, NLTK, Tensorflow, Pytorch
- Database:** MySQL
- Web Development:** HTML5, CSS
- Developer Tools:** IntelliJ, VS Code, Xcode, Eclipse, Pycharm, Jupyter Notebook

PROJECTS

- Text Classification using CNN and RNN Hybrid Model (2024)**
 - Classified news articles into predefined categories.
 - CNN-based model for capturing local features in the text
 - Hybrid CNN-RNN model combining Convolutional Neural Networks (CNNs) with Bidirectional LSTM to capture both local and sequential dependencies in the text.
 - Achieved an overall accuracy of 89.5% with a macro F1-score of 89%, ROC-AUC score of 0.9794, and Log Loss of 0.3102
 - Per-class accuracy- World: 86%, Sports: 98%, Business: 84%, Sci/Tech: 90%[Github Documentation](#)
- New York Taxi Fare Prediction using Machine Learning (2023)**
 - Developed a predictive model using Random Forest Regressor, Multilinear Regression, and Decision Trees
 - Implemented a user-defined function to predict fares dynamically based on pickup and drop off details, ensuring the model's practical application.
 - The Random Forest model emerged as the best performer, achieving the highest R^2 score (0.80) and the lowest MAE (1.97), MSE (18.99), and RMSE (4.36), indicating strong predictive accuracy and minimal error.[Github Documentation](#)
- Sports Dataset Multiclass Image Classification(2025)**
 - Dataset contained images of 100 sports classes
 - Preprocessed and trained a CNN Model to classify a test image into its equivalent sports category.
 - Received 94% training accuracy, 91% validation accuracy and 89.9% testing accuracy.[Github Documentation](#) [Live Demo](#)

CERTIFICATIONS

- Microsoft Azure AI Fundamentals**
Issued on: 16th Dec 2023
[Credential](#)
- Amazon AWS Cloud Practitioner**
Issued on: 24th Sept 2024
[Credential](#)