BHASKAR SINGH

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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

- JPN Sarvodaya Vidyalaya, Gonda, Uttar Pradesh
  Senior Secondary, CBSE Board, Percentage: 88.6%

- Fatima Senior Secondary School, Gonda Uttar Pradesh
  Secondary, CBSE Board, Percentage: 77.8%

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

CERTIFICATIONS

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