# ABHAY TIWARI

## AI SPECIALIST INTERN

## CONTACT

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in www.linkedin.com

## SKILLS

- *Technical Skills:*
  - *Predictive Modeling*
  - *Clustering Models*
  - *Data Modeling*
  - *Natural Language Processing*
- *Techniques:*
  - *Statistical Analysis*
  - *Deep Learning*
  - *Machine Learning Algorithms*
  - *Software Development*
- *Tools and Software:*
  - *Scikit-Learn*
  - *NumPy*
  - *TensorFlow*
  - *SciPy*

## LANGUAGES

- English
- Hindi

## PROFILE

Motivated and results-focused AI Specialist Intern with a strong foundation in Artificial Intelligence and Machine Learning. I have hands-on experience in developing machine learning models, data preprocessing, and implementing AI-driven solutions. My enthusiasm for problem-solving drives me to explore innovative AI advancements to contribute to impactful solutions.

## PROJECTS

### SMS Spam Detection

NLP with TF-IDF

- Created a predictive model that employs Natural Language Processing (NLP) techniques to categorize SMS messages as either spam or ham.
- Utilized feature extraction methods such as TF-IDF and trained models with Logistic Regression and Random Forest algorithms.
- Attained high accuracy through performance evaluation metrics including precision, recall, and F1-score, and successfully deployed the model using a Python Flask API.

### Stock Prediction

LSTM and Random Forest

- Developed a predictive model using time series analysis to forecast stock prices.
- Implemented LSTM and Random Forest models, leveraging historical data for accurate trend predictions.

### Breast Cancer

Random Forest and SVM

- Built a predictive model using Random Forest and Support Vector Machine (SVM) for early breast cancer detection.
- Processed and analyzed medical datasets to improve classification accuracy and aid early diagnosis.

## EDUCATION

**B.Tech in Artificial Intelligence & Machine Learning**
Vellore Institute of Technology, Chennai          Aug 2023 - Present

**Higher Secondary Education**
Sri Chaitanya Junior Kalasala          June-2021 - May 2023