

# Sumit Bhoir

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## PROFESSIONAL SUMMARY

Enthusiastic AI intern with a strong grasp of machine learning, deep learning, and data analysis. Proficient in developing and deploying AI models using TensorFlow, PyTorch, and Scikit-learn. Experienced in computer vision, natural language processing, and probabilistic modeling. A detail-oriented problem solver with a passion for innovation and collaborative research, eager to apply AI solutions in real-world scenarios.

## SKILLS

Python programming	Database structures	Deep learning	Active listening
Machine learning	Software development	Reinforcement learning	Problem-solving
Data analytics	Neural networks	Teamwork and collaboration	Relationship building

## PROJECTS

### 1. AI Live Language Sign Translator (In Progress)

Developing a real-time sign language translation system using computer vision and deep learning. Implementing CNNs & OpenCV for gesture recognition and text conversion. Building a Flask-based web app for real-time accessibility.

### 2. Fake News Detection Using PGM (In Progress)

Designing a probabilistic graphical model (PGM)-based fake news detection system. Using NLP techniques (TF-IDF, Word Embeddings) for text feature extraction. Applying Bayesian Networks for high-accuracy classification.

### 3. Poem Generator (Soft Computing Project)

Created an AI-driven poetry generator using LSTMs & NLP. Trained on a dataset to generate context-aware poetic compositions. Deployed as a Flask web app for interactive user engagement.

### 4. Brain Tumor Detection Using CNN & Flask

Developed a deep learning-based tumor classification model. Used CNNs (Convolutional Neural Networks) to categorize tumors into four types. Built a Flask web app for real-time predictions with confidence scores.

## EDUCATION & CERTIFICATIONS

<b>Bachelor of Technology - Information Technology</b> (Honors: Artificial Intelligence and Machine Learning) VIT - Vidyalandkar Institute of Technology	<b>2022 - 2026</b> CGPA - 8.6
<b>HSC Maharashtra State Board</b> New English High School & Junior college	<b>2021- 2022</b> 71.83%
<b>SSC Maharashtra State Board</b> S.I.C.E.S High School	<b>2021- 2022</b> 91%

## INTERESTS

Mobile Photography  
Creatives and Design  
Travel & Exploration  
Fitness & Strength Training