

# SAKSHAM

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## SUMMARY

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AI/ML engineer with hands-on experience in Python, TensorFlow, and deep learning. Proficient in NLP, Generative AI, and Computer Vision. Passionate about building scalable AI solutions and enhancing model efficiency.

## EDUCATION

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### Bachelor of Technology, Computer Science and Engineering

UPES, Dehradun

Aug 2021 - May 2025

### High School

The Indian Heights School, Delhi

2017 - 2021

## SKILLS

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Programming	Python, C/C++, Java, SQL, OOP
Data Analysis	Pandas, NumPy, Excel, Tableau, Matplotlib
Machine Learning	Scikit-learn, TensorFlow, Keras, PyTorch
NLP	Sentiment Analysis, Text Classification, Prompt Engineering
Cloud & DB	Kubernetes, Docker, MySQL, Azure

## PROJECTS

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### AI-Driven Deception Detection Using TextNN and ResNet

- Built a multimodal model combining a TextNN-based classifier and ResNet for deepfake image detection.
- Trained on real/fake news datasets and face images, achieving **85%+ accuracy** in both text and visual classification.

### News Article Summarization Using NLP

- Developed an NLP model using TextRank, reducing article length by **60% while retaining 90% of key data**.
- Processed **5,000+ news articles**, improving data accessibility for AI applications.

### Efficient Drug Discovery Using Molecular Deep Learning

- Trained deep learning models to predict drug interactions, achieving **85% accuracy**.
- Analyzed **50,000+ molecular structures**, optimizing prediction reliability by **20%**.

## WORK EXPERIENCE

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### Project Intern

IBM

Jun 2024 - Jul 2024

Remote

- Developed deep learning models, enhancing **drug discovery efficiency by 30%**.
- Optimized neural networks processing **100,000+ molecular structures**, improving accuracy by **15%**.

### Social Media Manager

Vultus the Face Shifters

Oct 2021 - Jan 2024

Dehradun, Uttarakhand, India

- Led social media teams, increasing engagement by **40%**.
- Managed content strategy, boosting follower base by **35%**.

## ACHIEVEMENTS

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- AI-102: Designing and Implementing an Azure AI Solution - Microsoft** Certified in AI solutions using Microsoft Azure, focusing on NLP, computer vision, and conversational AI.