

# Gulshan Kumar

Machine learning engineer

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## EDUCATION

### Bachelor of Engineering in Computer Science

University of Jammu

12/2020 – 07/2024 | Jammu, India

## INTERNSHIPS

### Machine Learning Intern

Talenflow

06/2024 – present

- Developed a chatbot using NLP and RAG techniques for responsive query resolution on the company's website.
- Utilized OpenAI API, Python, and Pinecone DB.

### Data Science Intern

Zidio Development

02/2024 – 03/2024

- Created and evaluated predictive analytics and pattern recognition models.
- Implemented feature engineering, classification, and regression for performance optimization.

## PROJECTS

### AI Powered Calorie Burn Prediction and Management Tool 🔗

05/2024 – 06/2024

- Developed a Flask web app using XGBoost to predict exercise calorie burn from a Kaggle dataset.
- Integrated a user-friendly interface with Bootstrap for real-time predictions.

### Plant Disease Prediction using Convolution Neural Networks

04/2024 – 05/2024

- Designed a Convolutional Neural Network (CNN) model to classify plant diseases from leaf images.
- Implemented a web application for instant disease diagnosis using uploaded images.

### AI powered chatbot for Talenflow startup

06/2024 – present

- Building an AI-driven chatbot with RAG and OpenAI API to streamline customer inquiries.
- Enhancing user experience through intuitive, automated responses and real-time assistance.

## SKILLS

### Data science, Machine learning and Deep learning

Python, Supervised and unsupervised algorithms, Neural Networks, ANN, CNN, RNN, LSTM, Feature engineering, Feature selection, Natural Language Processing etc.

### Python Packages and Frameworks

Scikit-learn, Tensorflow, Keras, Numpy, Pandas, Matplotlib, NLTK, OpenCV

### Languages

HTML, CSS, Javascript, JQuery, Node.js, Flask

### DataBases

SQL, PostgreSQL

### Generative AI

GPT, RAG, Gemini, Pinecone, Hugging Face, Langchain

### MLOPS

GCP, Git, Docker, Streamlit

## CERTIFICATIONS

- Machine learning specialization
- Deep learning specialization
- Langchain for LLM Application development
- Langchain - Chat with your data (deeplearning.ai)
- Prompt engineering for developers
- SQL for Data Analysis - Internshala

## ORGANIZATIONS

### Chegg India

Subject Matter Expert

05/2023 – present

- Part time Subject Matter Expert at Chegg, proficiently addressed over 320 probability and statistics questions.

### GeeksforGeeks

Technical writer

01/2023 – 05/2023

- Contributed 23 clear and reader-friendly technical articles to GFG, reaching over 100,000 readers.