

# Naman Gupta

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## EDUCATION

**VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL**

**Bhopal, India : 2021-2025**

Bachelors of Technology (Computer Science & Engineering)

**CGPA: 8.41/10**

## SKILLS

- **Programming Languages :** Python ,SQL
- **Technical Skills :** Data Science , Machine Learning ,AWS ,Selenium ,Docker ,Jenkins, Kubernetes

## CERTIFICATIONS

- Smart Internz - Artificial Intelligence and Machine Learning, **Nov 2023**
- Coding Ninjas - Data Science and Machine Learning Course, **Mar 2024**

## PROJECTS

### Coronary Heart Disease Predictor (CHD)

**Jan 2024 – Mar 2024**

- Designed and deployed machine learning models including Random Forest, and Decision Trees to predict the probability of CHD.
- Implemented feature engineering and hyperparameter tuning which improve model performance by 20%.
- Analyzed model outputs using Explainable AI techniques, particularly SHapley Additive exPlanations (SHAP) for interpretability.
- Achieved an accuracy of 91.8%.
- **Technology:** Machine Learning, Ensemble Methods, SHapley Additive exPlanations (SHAP).

### Predicting Fraudulent Transactions

**Jul 2024 - Aug 2024**

- Spearheaded the development of Ensemble models to detect fraudulent transactions in a dataset of 6.3 million rows.
- Utilized data preprocessing, feature engineering, and hyperparameter tuning to enhance model accuracy.
- Achieved 98% accuracy with XGBoost, successfully identifying fraudulent activities in real-time transactions.

### Image Captioning Model Development (Flickr8K Dataset)

**Aug 2024 - Sept 2024**

- Developed an image captioning model using VGG16 for feature extraction.
- Engineered custom CNN-LSTM architecture to generate descriptions for images.
- Processed 8,000 images and 40,000 captions, achieving a BLEU score of 0.53.
- **Technology:** Python, Tensorflow, LSTM, CNN.

## PROFESSIONAL EXPERIENCE

### NuGen Eyewear (Startup)

**Feb 2022 - Feb 2023**

- Operations Lead at Nugen Eyewear, overseeing client communication, negotiations, and team management to process over 200 eyewear orders.
- Led operational optimization, reducing turnaround time by streamlining processes and prioritizing tasks increased efficiency by 10%.

### Drishti Enterprise

**Dec 2024 - Nov 2025**

- Managed daily operations - coordinating vendors, orders, and inventory, ensuring smooth cross-team workflow, tracking product movement, and improving processes for better efficiency and customer satisfaction.
- Most Importantly I have developed an application for the company which increased efficiency by more than 50% and also reduced human errors

## EXTRA - CURRICULARS AND ACHIEVEMENTS

- Top 5 teams, Bug-off Hackathon, Organized by Android club, VIT, Bhopal. **2023**
- Excellence Certificate in Data Science and Machine Learning (scoring above 90%), Coding Ninjas. **2024**
- **Research Paper :** Heart Disease Prediction Model using Machine Learning Algorithms with xAI ( eXplainable AI ) using SHapley Additive exPlanations.

## ADDITIONAL INFORMATION

**Languages :** English , Hindi , Deutsch (A2)

**Hobbies :** Listening Music , Cycling

