Mitesh Gupta

**Data Science Intern**

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**PROFESSIONAL SUMMARY**

I am a final year B.Tech student with a strong understanding of AI and Data Science, with over 2 years of experience building and optimizing ML models. My portfolio includes more than 25 projects in AI/ML as well as I have deep knowledge of Deep Learning (DL) and Generative AI. I am eager to contribute in impactful projects.

**AREAS OF EXPERTISE**

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| * Data Science | * Machine Learning (ML) | * Generative AI | * NLP |
| * Artificial Intelligence (AI) | * Deep Learning (DL) | * Computer Vision (CV) | * Data Analytics |

**PROFESSIONAL EXPERIENCE**

**Artificial Intelligence Intern** [(Pantech ProLabs)](https://drive.google.com/file/d/1mXyE-YNEJ3bMSIFg92PtlQp1ocPcAKBM/view?usp=sharing) Remote Work, **July 2022 – August 2022**

* Developed a chatbot for handling common queries using rule-based algorithms and NLP techniques.
* Achieved 85% query resolution rate in testing.

**Machine Learning Intern** [(Pantech ProLabs)](https://drive.google.com/file/d/1WVafrQ9ZzDvFjIELF8xGDdlqwk7nLfJ-/view?usp=sharing) Remote Work, **June 2022 – July 2022**

* Designed a fraud detection model for online transactions using supervised learning algorithms.
* Detected fraudulent activities with precision 92%.

**PERSONAL PROJECTS**

**ATS Scoring System:** [(Githhub Repository)](https://github.com/miteshgupta07/ATS-Scoring-System) **July 2024 – August 2024**

* Developed an applicant tracking system (ATS) scoring system with a 90% keyword matching accuracy rate.
* Processed 200 resumes with great accuracy using spaCy for entity extraction.
* Increase the effectiveness of hiring by providing precise resume grading and recommendations.

**Automatic-License-Plate-Recognition-System:** [(Githhub Repository)](https://github.com/miteshgupta07/Automatic-License-Plate-Recognition-System) **June 2024 – July 2024**

* Designed a system for automatically recognizing license plates that can read and detect plates with 95% accuracy.
* Applied computer vision and OCR methods, analyzing more than 20,000 photos to identify vehicles.
* Better parking management resulted in a 50% reduction in the amount of time spent on manual entry.

**PlantGaurd:** [(Live Demo)](https://plant-guard.streamlit.app/) **March 2024 – April 2024**

* Created a CNN-powered model for identifying plant diseases that was trained on 50,000 photos from nine distinct species.
* 99% accuracy was attained with DenseNet architecture.
* Simplifying crop management and providing quick disease detection to farmers.

**COVID-19 Dashboard :** [(Live Demo)](https://covid-19-report-dashboard.streamlit.app/) **December 2023 – January 2024**

* I made an interactive dashboard using streamlit to examine and evaluate COVID-19 data from Berlin City's 12 districts.
* Provided consumers with an intuitive user interface for gaining knowledge about the worldwide pandemic.
* Encourage better understanding and monitoring of COVID-19 data and trends.

**ONLINE COURSES & CERTIFICATIONS**

* **Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate** - [Oracle](https://catalog-education.oracle.com/pls/certview/sharebadge?id=07109AF87F56605C7B085B8BC76DA91C0569A95E85EF11F2D332C47863497AEA)
* **Oracle Cloud Infrastructure 2024 Generative AI Certified Professional -** [Oracle](https://catalog-education.oracle.com/pls/certview/sharebadge?id=C304DBC87A7F5D2A176BAB9356FCAD2FE9A7333AE51D3771D78078C610A27DE2)
* **Complete Generative AI Course With Langchain and Huggingface -** [Udemy](https://www.udemy.com/certificate/UC-15d2c9ad-cbdf-4ec3-868d-b697d1ab1731/)
* **Udemy C Programming Certified -** [Udemy](https://www.udemy.com/certificate/UC-8bd7d020-65ee-414c-a3a7-02b411401234/)
* **HackerRank Python Programming Certified** - [HackerRank](https://www.hackerrank.com/certificates/38e11f6a2397)

**EDUCATION**

**Parul University, Vadodara, India 2021-2025**

B.Tech Computer Science Engineering **(Artificial Intelligence)**

**TECH SKILLS**

* **Programming Languages:** Python, C
* **Data Analysis:** Data Acquisition, Data Cleaning and Preprocessing, Feature Engineering and Selection
* **Web Scraping:** Requests, Beautiful Soup, Selenium, Scrapy
* **Machine Learning (ML):** ML Algorithms, Supervised and Unsupervised Learning, Model Evaluation and Optimization, Recommendation Systems, XGBoost, Ensemble Techniques
* **Deep Learning (DL):** Neural Networks, Convolutional Neural Networks (CNNs), RNNs, LSTM, Transfer Learning
* **Natural Language Processing (NLP):** Text Classification, Text Processing, Named Entity Recognition (NER), Sentiment Analysis, Word Embedding
* **Computer Vision (CV):** Object Detection, Image Classification, Image Segmentation, YOLO
* **Generative AI:** LLMs(OpenAI, Gemini, Llama) , RAG, Fine-Tuning, Prompt Engineering, Transformers, Stable Diffusion
* **D****ata Visualization:** Matplotlib, Seaborn, Plotly, Microsoft Power BI
* **Deployment:** Streamlit, AWS Bedrock, Groq, Nvidia NIM, Hugging Face
* **Database Management:** MySQL, Vector DB (Chroma)
* **Version Control:** Git, GitHub
* **Statistics and Mathematics:** Probability, Hypothesis Testing and Bayesian Methods
* **Libraries and Frameworks:** Scikit-Learn, Pandas, Numpy, Tensorflow, Keras, Pytorch, OpenCV, NLTK, spaCy, Langchain

**SOFT SKILLS**

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| * Team Work | * Leadership | * Communication |
| * Problem Solving | * Adaptability | * Critical Thinking |

**LANGUAGES**

* **Hindi** [Native]
* **English**