

# Lavkush Ramchandra Gupta

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## PROFILE

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Recent graduate with hands-on Data Science and ML internship experience. Proficient in programming, problem-solving, and creative thinking. Passionate about designing and implementing impactful models. Actively seeking opportunities to expand professional skills and contribute to a team environment.

## EXPERIENCE

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### Data Science/Technology Intern

*SuperZop*

07/2022 – present  
Mumbai, India

- Developed an image segmentation model for the detection of grain commodities using machine learning algorithms and techniques.
- Optimized and integrated the model into a larger system for automated grain detection in agricultural settings, achieving a high level of accuracy in detecting and segmenting the grain commodities.
- Developed a color correction model using OpenCV to accurately determine the true colors of objects
- Created an application that enhances perspective correction and obtains bird's eye view of objects
- Improved object detection and dimension measurement accuracy by 5% through the implementation of the above-mentioned techniques.

### Deep Learning Intern

*Helppr.ai*

09/2021 – 11/2021  
Gurgaon, India

- Developed text classification models for 11 UPSC subjects, such as Science, Geography, Economics, History, etc. using Distil BERT and achieved high accuracy.
- Created an image super resolution model based on SRGAN to improve the resolution of low-resolution images.
- Utilized pre-trained models and fine-tuned them on custom datasets to achieve accuracy levels of 95-98% for various classification models and performed error-analysis.
- Aided the organization in achieving their goals ahead of deadline with improved accuracies of 18% compared to previous models.

## SKILLS

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- Languages : Python, SQL, R.
- Databases : MySQL, Basic knowledge in Mongo DB, Cassandra, IBM Cloudant - A NoSQL DBaaS
- Library : Pandas, Numpy, Matplotlib, Seaborn, Sci-kit, Beautiful Soup, RASA for Chatbot, Selenium for Web Scraping, NLTK, Streamlit, Flask.
- Deep Learning Frameworks : PyTorch, Tensorflow, Scikit-learn
- Cloud Technologies : Amazon Cloud Services (AWS), GCP
- Other Skills : Presentation, Excel, Tableau, Git, R.

## EDUCATION

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### MSc in Computer Science with a Specialization in Data Science

*UDCS, University of Mumbai, Mumbai, India*

05/2021  
Mumbai, India

Courses: Python Programming, Statistics, Data Analysis & Visualization, Artificial Intelligence and Machine Learning, SQL & Analytics, Databases Technology, Data Modeling, Research Methodology and Publishing

Highlights: 800+ hours of coursework, 10 coding assignments, 3 projects (Web scraping, EDA, ML)

### MSc in Physics

*NES Ratnam College of Art Science and Commerce.(Affiliated to University of Mumbai)*  
(GPA: 8.50/10)

05/2020  
Mumbai, India

COURSES AND CERTIFICATES

- AWS Practical Data Science Specialization [↗](#)
- Probability and Statistics: To p or not to p? [↗](#)
- Machine Learning [↗](#)
- Python (Greyatom)
- Machine Learning Engineering for Production (MLOps) Specialization [↗](#)
- Deep Learning Specialization [↗](#)

LANGUAGES

- English
- Hindi
- Marathi