

# Rohit Gupta

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## EDUCATION

### Maharaja Agrasen Institute of Technology

Bachelor of Technology (CSE) | 7.92 CGPA

Delhi, India

Aug. 2016 – May 2020

## PROFESSIONAL EXPERIENCE

### Episource LLC

Associate Data Scientist

Chennai, India

July 2020 – Present

- Analyzed the HRA and Telehealth services to reduce the cost incurred, operation optimization, and managed the planning & deployment of design and procedures for weekly metric reports. The analysis helped in taking major business decisions to improve the processes.
- Built a complete automated pipeline to generate patients profiles for HRA. Deployed the model on AWS along with GitHub CI/CD pipeline. This automation reduced the manual work from days to an hour.
- Performed UAT for Datalake solutions that stores information from various clients.

Data Science Intern

Jan. 2020 - June 2020

- Built a machine learning model that can predict the outreach consultant headcount for an incoming project.
- Developed an automated pipeline to mine historical data and find relevant information for upcoming/ongoing projects to improve research processes. This increased chart retrieval by 10%.

### Humonics Global

Data Science Intern

Gurugram, India

June 2019 – July 2019

- Researched and implemented object-detection DL models & data pipeline to automate Car Insurance Claims.
- Integrated the models in the production system.

### PupilMesh Pvt LTD.

Computer Vision Intern

Remote

Mar. 2019 – May 2019

- Computer vision oriented R&D. Created Vehicle Detection and Tracking for real-time systems.
- The project was aimed to track vehicles on an embedded chip.

## PROJECTS

### PyTorch Lightning (Open Source) | Python, Pytorch, Git | [Link](#)

June 2020 – Present

- A lightweight PyTorch wrapper for high-performance AI research.
- Working as core maintainer fixing bugs and adding new features.

### TVmodels | Python, Pytorch, Git | [Link](#)

June 2019 – July 2019

- Python package that contains the implementation of various vision models.
- Models are readily available for use as a PyPI package.

### Neural Machine translation | Python, Tensorflow, Git | [Link](#)

Sep. 2018 – Dec. 2018

- Implementation of different attention-based machine translation algorithms using the seq-seq networks.

## TECHNICAL SKILLS

**Languages:** Python, SQL, Bash, C/C++

**Frameworks/Libraries:** Pytorch, Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, PySpark, Scikit-learn, LightGBM

**Developer Tools:** Jupyter, Git, Docker, AWS, VS Code

## ACHIEVEMENTS

- Top 3% out of 3,115 teams in Kaggle's Intruder Detection through Webpage Session Tracking.
- Ranked 40 out of 1,600 participants in mlcourse.ai 2019 session.
- Top 10% out of 4,127 teams in Kaggle's Elo Merchant Recommendation Challenge.
- Top 12% out of 2,038 teams in Kaggle's NFL Big Data Bowl Challenge.
- Kaggle notebooks expert (top 1% out of 166,000 members).

## PUBLICATIONS

- Gupta, R. and Sharma, A. Super-Resolution using GANs for Medical Imaging *Procedia Computer Science* 173 (2020): 28-35. | [Link](#)