# Vivek Gupta

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**EXPERIENCE**  **Razorthink, Bengaluru, IN**                                    11/2016-05/2020
**Machine Learning Engineer**

- **Face Detection** - Implemented a model based on Convolutional Neural Networks to detect human faces. Model was trained using YouTube Face dataset and achieved an accuracy of 90%

- **Customer Retention Model** - Developed a model based on Long Short Term Memory Cells for an insurance company to predict whether a policy lapses or not. The model gave a top 3 decile score of above 80.

- **Text Segmentation** – Collaborated to design an algorithm using Open CV and Convolutional Neural Network to locate text area in a document.

- **AI Platform** – Part of the Deep Learning team that provided development and support for the AI Platform which requires expertise in Python and Tensorflow.

**SKILLS**       **Programming Languages:** Python
**Frameworks/Libraries:** Tensorflow, Keras, OpenCV, Numpy, Pandas, scikit-learn, PySpark
**Machine Learning:** Regression, FFN, CNN, RNN, Random Forest
**Others:** SQL, Git, Jupyter Notebooks, Jira

**EDUCATION**   **Stevens Institute of Technology, Hoboken, NJ**          Expected May 2022
**Master's in Machine Learning**
**GPA**: 3.93
**Related Courses**:  Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Web Analytics

**Federal Institute of Technology, India**                          May 2016
**Bachelor of Technology in Computer Science & Engineering**

**ACADEMIC**    **Stevens Institute of Technology**
**PROJECTS**    **Job Classification**                                              Fall 2020
- Scraped job posts from *Indeed.com* based on location and job type
- Parsed through the job post to extract job description
- Implemented a model to classify jobs based on job descriptions

**Twitter COVID Sentiment Analysis**                              Spring 2021
- Analyzed sentiments of tweets based on COVID
- Compared performance of traditional ML models against Deep Learning Models
- Evaluated how word embeddings affect the performance of models