

ROHIT GUPTA

(857)-930-1448 | gupta.rohi@northeastern.edu | <https://www.linkedin.com/in/rohit-aargee-gupta/>

EDUCATION

Northeastern University, Khoury College of Computer Sciences

Candidate for Master of Science in Data Science

Boston, MA

Expected April 2023

- GPA: 4.0/4.0
- Relevant Coursework: Algorithms, Supervised Machine Learning, Unsupervised Machine Learning, Introduction to Data Management

MUMBAI UNIVERSITY, KJ Somaiya College of Engineering

B. Tech in Computer Engineering

Mumbai, India

May 2021

- GPA: 8.89/10
- Relevant Coursework: Machine Learning, Natural Language Processing, Artificial Intelligence, Business Analytics, Applied Mathematics, Algorithms and Data Structures, Advanced Database Management System,

TECHNICAL SKILLS

- Language: Python, R, C++, SQL
- Operating System: Windows, Linux, macOS
- Cloud Platforms: Google Cloud Platform
- Certification: Deep Learning Specialization, Applied Data Science with Python Specialization

RELEVANT EXPERIENCE

ASPIRATION.AI, CAREER LAUNCHER

Machine Learning Intern

India

May 2020 - June 2020

- Explored various financial concepts and applied on multiple stocks to figure out trends in the data leveraging NumPy and pandas
- Examined diversification of portfolio with K-means clustering. Optimized clusters with help of Elbow Curve
- Compared multiple ML models such as Random forest, neural networks and more for predicting call for a stock with help of Bollinger Band. It had an accuracy of 89%

SOFTWARE DEVELOPMENT CENTER, KJSCE

Software Development Intern

India

June 2019 - September 2019

- Headed a team of 4 interns; developed a time-table generator for college and presented the software to the principal of the college
- Constructed the backend of the software on MySQL. Built multiple tables to store every faculty, class and subject information
- Saved the administration of college countless hours, from manually verifying the time-table of all 40 batches

ACADEMIC PROJECTS

AIR POLLUTION MONITOR

Supervised Machine Learning

Boston, MA

October 2021 - December 2021

- Partnered with 2 classmates to calculate the amount of pollutants in the air from given data
- Analysed the dataset, found out important features and created new features for better results leveraging Numpy, pandas and matplotlib packages
- Analysed the data using multiple models - linear regression, Decision Trees, Neural Networks. Also made the code reusable and reproducible

STUDYING LUNG DEGRADATION

Final Year Project

India

August 2020 - May 2021

- Collaborated with 2 classmates to study how Pulmonary Fibrosis affect lungs
- Performed exploratory data analysis on medical data of more than 150 patients applying NumPy, pandas and matplotlib library
- Studied and preprocessed more than 100 CT scans of patients utilizing skimage package. Studied interpretability of the developed model using Lime package
- Created a neural network to work on data utilizing TensorFlow; had an accuracy of 93%; also performed hyperparameter tuning with Hparam package

EXTRACURRICULAR ACTIVITIES

- Current Photography Head at NU Sanskriti (2021)
- Chief of KJSCE Shutterbugs, official Photography and Videography Team of college (2019 - 2020)
- Volunteer in Diwali Donation Drive and Eco-Run organized by KJSCE Parvaah (2019)
- Speaker at Indian International Model United Nations; debated over geopolitical issues (2012)