VISHAL ROHRA
MACHINE LEARNING ENGINEER

✉ rohra.vj@gmail.com
🌐 www.vishalrohra.com
📞 (732) 372 - 1143
📍 New Brunswick, NJ

🐦 vishalrohra293
in vishalrohra1
⌨ vishalrohra

EDUCATION

RUTGERS UNIVERSITY
New Brunswick
Bachelors of Science. May 2019
Computer Science & Statistics w/ Math.
Relevant Coursework: Principles of AI,
Principles of Programming Languages,
Database Management, Systems
Programming, Computer Architecture,
Discrete Structures, Data Structures

OBJECTIVE

Actively seeking summer'18 internship
focused on machine learning research
and development, preferably with
natural language.

ACTIVITIES

RISE WEEKEND
Lead Organizer
Jan 16 - Jan 17
• Organized a bi-annual 36-hour
overnight event where college students
from various disciplines come together
to build on their startup ideas.
• In-charge of setting the vision,
forming a driven team, building the
website and maintaining applications.

HACKBARODA
Lead Organizer
May 15 - Jul 15
• Baroda's first 24-hr hackathon
promoting the spirit of building and
connecting the diverse tech community.
• Streamlined logistics and day-of
events. Coordinated space, food and
resources for 150+ attendees.

HACKINDIA
Lead Organizer
Jun 15 - Aug 15
• As in-charge of social media
presence, worked with a designer to
curate content that is share-worthy.
• Organic growth of 5k likes & 15k+
reach in 4 weeks. Also, worked with
outreach to bring on-board 15+
campus ambassadors.

INTERNATIONAL ADVISORY BOARD
President
Sep 14 - May 15
• Led a board of eight members in
creating a welcoming international
community at Rutgers.

EXPERIENCE

EMBIBE
Bangalore, India
Machine Learning Intern
Jun 17 - Aug 17
• Implemented several supervised classifiers to automate customer support. Extracted
and cleaned intercom chat transcripts. Created a well-documented internal library to
help easily create, use and update binary and multi-label classifiers for text.
• Wrote a survey paper, focused on recent topic modeling, clustering and classification
techniques for *'understanding short text from small corpora'*.

METRICSTREAM
Bangalore, India
Data Science Intern
Feb 17 - May 17
• Performed unsupervised clustering on central banks around the world on several
structured parameters. Designed a data-viz benchmarking tool of loss events for
similarly clustered banks. Garnered interest from a marquee client, to further develop
the prototype into a complete product.
• Developed an internal tool from the ground-up to help keep track of threats and
vulnerabilities for all given assets of the company. Wrote scripts for general-purpose
article extraction. Showed common clusters of articles ranked with relevancy and
integrated extractive summarization for a quick overview.

PROJECTS

AUTONOMOUS CAR PROJECTS
Individual Side Project. Using Tensorflow and OpenCV. At https://goo.gl/j1P1gu
Lane finding algorithm using Canny Edge detection and Hough Transform via OpenCV.
Traffic sign classifier built on LeNet Architecture using Tensorflow.

LIBRETTO
At HackRU. Using Python BeautifulSoup. At https://goo.gl/11Wi7z
Generates new lyrics specific to certain genres, using markov chains. Implemented a
scraper, pre-processed data and wrote helper functions to assist rhyming scheme.

PRESIDENTIAL REPORT CARD
Side project. Using MySQL, JSP, Tomcat and jQuery. At http://goo.gl/SwQGhD
Grades performance of presidents over the years. Collected and pre-processed data,
ran complex aggregate queries and used DataTables plug-in for search and sort.

REACT YOUR WAY
Individual Side project. Using Javascript and CSS. At https://goo.gl/XXfYF3
Chrome extensions that can mask facebook reactions. Used content scripts to inject
new css. Featured on Wired, Product Hunt and PSFK. 2000+ active users.

STACKOVERFLOW POPULAR
Individual Side project. Using Python Requests and SQLite. At https://goo.gl/8cqEwC
Twitter bot that tweets out popular Stack Overflow posts using Stack Exchange API.

HACKATHONS
Phill Me In: Rating neighborhoods using datasets from OpenDataPhilly. At PennApps.
Pop(up)sicle: OSX's force touch lookup as a chrome extension. At MHacks.
... more at *https://devpost.com/VishalRohra*

SKILLS

LANGUAGES: Python, Java, R, C, HTML, CSS
ML & NLP: Scikit Learn, TensorFlow, Keras, NLTK, Gensim
ENVIRONMENT & TOOLS: UNIX, Git, Jupyter, Google Cloud Platform, AWS
FRAMEWORKS & LIBRARIES: Scipy, OpenCV, Pandas, Numpy, Flask, Django,
Bootstrap, Matplotlib, Plotly, D3, Beautiful Soup, Selenium, Scrapy, Requests, lxml

• Assisted in over nine events reaching an audience of more than 500+ students over two semesters.

DATABASES: MySQL, SQLAlchemy, SQLite, MongoDB