

# Rounak Vyas

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## Education

June 2016 - **Bachelor of Technology (B.Tech)**, *Information Technology, SRM Institute of Science and Technology*,  
July 2020 Chennai, India.  
(Expected) CGPA: 9.29/10.00

## Experience

- Jan. 2020 - **Research Intern**, *Harvard Medical School*, Cambridge, Massachusetts.  
Present
  - Working under Dr Shiladitya Sengupta at Center of Engineered Therapeutics, on a statistical modelling project based on critical care patient's data to make beneficial predictions about the patients' health.
- Dec. 2018 - **Software Technology Intern**, *Thomson Reuters*, Hyderabad, India.  
Jan. 2019
  - Worked in a team of 3 interns to implement a Proof of Concept to integrate ELK (Elasticsearch, Logstash, Kibana) Stack to an existing chatbot for real-time log aggregation, analysis and querying.
  - Designed and implemented software to improve indexing time of documents by 85% with the help of concurrency.
- June. 2018 - **Software Development Intern**, *OpenGenus Foundation*, Remote.  
July. 2018
  - Added tags feature with a real-time search filter to code search engine, cosmos-search. Developed a news section which uses the News API to fetch the top headlines from various sources.
  - Created a mechanism for users to upload their markdown files which are automatically rendered on the website and also show those files during the general search.

## Programming Skills

**Languages:** Python, C/C++, Java    **Frameworks:** Django, Flask, Keras, OpenCv

**Databases:** Elasticsearch, Oracle    **Work Flow:** Git, GitHub, Travis CI

## Projects

- markov-gen:** A Markov Chain Text Generator used to randomly generate (somewhat) realistic sentences, using words from a source text. Words are joined together in sequence, with each new word being selected based on how often it follows the previous word in the source document.
- Dr.Phil:** A web app which uses current location/selected location and provide insights into the services around the location and also rate the existing healthcare infrastructure and provide SOS features. Developed at Microsoft MSHack Hackathon.
- es-indexer:** A PyPi package to populate json data into elasticsearch efficiently using multi-threading.

## Awards and Extracurriculars

- Aug. 2019 Speaker, PyCon New Zealand (Kiwi PyCon X), Scholarship: 500 NZD ( $\approx$  Rs. 23000).
- Mar. 2019 3<sup>rd</sup> Place, Ctrl-Alt-Code IoT Hackathon. Team Captain: Team *Park.ai*.
- Jun. 2018 Academic Scholarship of Rs. 21500, Department Rank Holder List, 2017-2018.
- Aug. 2017 Student Researcher, Artificial Intelligence, Next Tech Lab, Chennai, India.
- Jan. 2012 Table Tennis: Top 8 of 100+ teams in School Games Federation of India Nationals.