Rounak Vyas

120 Bay State Road
Boston, MA, 02215
(+1) 702 861 6628
rounakvyas@outlook.com

Website: https://rounakvyas.me
GitHub: itsron717
LinkedIn: itsron143

Education

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

Experience

Jan. 2020 - Present **Research Intern**, *Harvard Medical School*, Cambridge, Massachusetts.
- 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 - Jan. 2019 **Software Technology Intern**, *Thomson Reuters*, Hyderabad, India.
- 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 - July. 2018 **Software Development Intern**, *OpenGenus Foundation*, Remote.
- 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 3rd 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.