

Rohit Bassi

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SKILLS

- **Programming Languages:** Python3, C++ (STL), NodeJS, C, NoSQL (MongoDB), SQL (MySQL, Postgres)
- **Softwares and Libraries:** pandas, numpy, tensorflow, matplotlib, jupyter notebook, Selenium
- **Deployment:** AWS
- **Backend Development:** Flask, Unit testing
- **Data Processing:** Spark, MapReduce
- **Frontend Development:** AngularJS, d3.JS
- **Data/Model understanding:** PCA, Consensus Algorithm

EDUCATION

- **Stony Brook University** New York, USA
Master of Science in Computer Science ; GPA: 3.5/4 *Jan. 2019 – May 2020*
- **PEC University of Technology** Chandigarh, India
Bachelor of Engineering in Electronics and Electrical Communication; CGPA: 8.26/10 *Aug. 2013 – July 2017*

WORK EXPERIENCE

- **Roundglass H2O Pvt. Ltd** Gurgaon, India
QA Engineer *Sept 2018 – Jan. 2019*
 - : Created detailed, comprehensive and well-structured test plans and test cases
 - : Reviewing quality specifications and technical design documents to provide timely and meaningful feedback
 - : Estimating, prioritizing, planning and coordinating quality testing activities
- **Codroit Tech Pvt. Ltd** Mohali, India
Software Engineer *Aug 2017 – Sept. 2018*
 - : Responsible for server-side web application logic, usually write web services and CRUD-APIs used by front-end developers and mobile application developers.
 - : Integrated user-facing elements developed by a front-end developers with server side logic

PROJECTS

- **Consensus Algorithm Implementation (RAFT):** Implemented a RAFT consensus algorithm, which handles the agreement between fault-tolerant distributed systems. Consensus involves multiple servers agreeing on values.
- **Good Health and Well Being:** Built a model that predict disease outbreaks at an early stage and alert relevant government authorities and health service providers.
- **Football Data Visualization:** This project motivation was to find patterns and to easily compare players depending on their skill attributes like their dribbling speed, strength, stamina, etc. If a scout of a club is looking to fill a gap in their team, our visualization tool will guide and aide him skim through different attributes.
- **PageRank Calculation:** Computed the PageRank of a Livejournal Social network(4.8m social network nodes) using TensorFlow. This evaluation helps it to determine a relative score of the page's importance and authority.
- **Developed Alexa Skills:** Developed two Alexa skills and deployed on Amazon Alexa and the skills are 'Email Checker' and 'Nutrition Content'.

COURSEWORK

- : Asynchronous Systems, Big Data Analytics, Visualization, Analysis of Algorithms, Theory of Computation, Data Science Fundamentals, Network Security

RESEARCH

- : Doing my Project under the Prof. I.V. Ramakrishnan. project is to predict a woman who is in labor will have a normal delivery or cesarean. Analysing digital fetal heart rate data from cerner database to predict labor condition. [Link](#)