

# SKANDH GARG

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## EDUCATION

<b>New York University</b> , Brooklyn, NY	May 2020
Master of Science, Computer Science, GPA: 3.89	
<b>Thapar Institute of Engineering and Technology</b> , India	June 2017
Bachelor of Engineering, Computer Science, GPA: 3.95	

## TECHNICAL SKILLS

<b>Programming Languages:</b>	C, C++, Java, Angular
<b>Web Development:</b>	HTML, CSS, JavaScript, Bootstrap, PHP
<b>Database:</b>	Amazon S3, MySQL, Cassandra
<b>Operating Systems</b>	Linux, MacOS, Windows
<b>Tools:</b>	AWS Cognito, API Gateway, Lambda, Vagrant, Jmeter, Eclipse, JavaDocs, Github
<b>Relevant Coursework:</b>	Data Structures, Cloud Computing, Algorithm Analysis and Design, Database Management System

## WORK EXPERIENCE

<b>New York University</b> , Brooklyn	Sept 2018-Present
Graduate Assistant   Mechanical and Aerospace Engineering	
<ul style="list-style-type: none"><li>• Create an IoT based project that involves integrating Arduino sensor reading and visualization of data</li><li>• Design and implement a database architecture using Cassandra</li><li>• Develop backend using Spring Framework</li></ul>	
<b>New York University</b> , Brooklyn	Sept 2018-Present
Software Lead   Blue Instrument	
<ul style="list-style-type: none"><li>• Build and deploy a website for Blue Instrument using Bootstrap and Javascript on S3</li><li>• Plan and pitch the business idea to potential investors</li><li>• Recently won \$150,000 at a competition organized by PowerBridgeNY to develop business</li></ul>	
<b>RoundGlass H2O Private Limited</b> , India	Jan 2017-Mar 2018
Associate Backend Developer   Healthcare Data Platform	
<ul style="list-style-type: none"><li>• Created micro-services for clinical records to serve requests for more than 300,000 doctors</li><li>• Deployed extensive logging framework in production using Graylog, Filebeat and Logstash</li><li>• Centralised API management and worked with S3 and EC2 Amazon Web Services</li><li>• Managed unstructured clinical data using FHIR standard, CCDA and snomed codes</li><li>• Integrated open source projects like OpenMRS for better management of data</li></ul>	
Software Developer Intern	
<ul style="list-style-type: none"><li>• Developed RESTful APIs for provider onboarding and appointment booking using Spring Boot and Hibernate</li><li>• Automated installation of project dependencies in a virtual environment using Vagrant Files instantly</li><li>• Worked on Laravel framework and created test-suite for REST APIs</li><li>• Carried out Quality Assurance by performing load testing using Jmeter</li></ul>	

## ACADEMIC PROJECTS

<b>Customer Service Chatbot</b> (AWS S3, Lambda, Cognito, API Gateway, Bootstrap, Angular, Github)	Fall 2018
Implemented a serverless, microservice driven chat user web application using open source libraries. Hosted the website on S3 with API management using Swagger and API Gateway. Enabled authentication of request through Amazon Cognito and created a Lambda function to perform serverless chat operation.	
<b>Factors affecting Student Alcohol Consumption</b> (Weka, Java, Decision Trees)	Spring 2016
Created a classification model for predicting whether a student will start consuming alcohol based on a certain parameters using ensemble learning by employing different learning algorithms (Bagged and Boosted decision trees) and was able to reach 96% accuracy.	
<b>Remote Consultation</b> (Java, JavaScript, MySQL, HTML and CSS)	Summer 2015
To address the lack of sufficient medical facilities available in rural areas, we created a website that would allow the doctors to reach out to their patients virtually and provide basic consultation.	

## ACHIEVEMENTS/VOLUNTEER WORK

- Was one of the five students in a batch of 1500 to receive merit based scholarship for 4 years- Thapar University, India
- Taught a group of 30 students, grade 8 level math and science as a volunteer- Pratigya, India