

# ROMIL SHAH

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## EDUCATION

**San Diego State University (San Diego, CA)**  
Master of Science in Computer Science

Expected May 2021  
(GPA- 3.90/4)

**Gujarat Technological University (Ahmedabad, India)**  
Bachelor of Engineering in Information Technology

May 2019  
(CGPA-8.15/10)

## SKILLS

- Programming Languages: Python, Java, C#, PHP, C, C++
- Web Technologies: HTML, CSS, SASS, Bootstrap, Java Script, Type Script, JQuery, Material Design, REST, GraphQL
- Database Technologies: MySQL, SQL Server, MongoDB
- Frameworks/ Tools: React, Node, Express, Laravel, Angular, NPM, GIT, SVN, Webpack,
- AWS Services: EC2, S3, IAM, Lambda, Cloud Watch
- Big Data Tools: Spark, Dask, Vaex

## WORK EXPERIENCE

**Techwise IT Services (Ahmedabad, India)**  
Software Engineering Intern

November 2018 – May 2019

- Optimized 3D printing software application in C# by implementing multi-threading that reduced the rendering time by 30%.
- Used Object-Oriented programming methodology to design new features, test and optimize existing components and code unit tests to analyze and prevent bugs of 3D printing software.
- Revamped a website to be Responsive using Bootstrap, which raised the traffic of mobile users by 14%.
- Followed the Agile software development life cycle process to develop components of websites using modern web development frameworks, React and Angular.
- Prepared documentation for technical designs and provided technical support to the clients.

## PROJECTS

**Covid-19 Data Analysis**

April 2020

- Analyzed and Visualized US covid19 data using Pandas, Numpy, Matplotlib and Seaborn to see the spread of the virus over the period of 14 weeks and to find some useful pattern in Python.

**Inventory Management System**

March 2020

- Designed an inventory management system using React, Node, MongoDB and GraphQL, where users can add, update and delete items from their inventories.
- Used React bootstrap to design the components.
- Successfully hosted it with AWS Amplify.

**Network Intrusion Detection**

December 2019

- Performed data preprocessing by removing redundant and useless features, gathering similar type of attacks under a single parent and scaling numerical data in Python.
- Applied Machine Learning techniques, KNN, Decision Tree and Logistic Regression on KDD dataset to classify type of network intrusion.

**Validating Radiation Safety Parameters (Government of Gujarat, India)**

April 2019

- Lead a team to develop and launch a web application using JavaScript, HTML, CSS and RESTful APIs to collect data from relational database MySQL and generate deficiency report of each center, which can be seen by the admins of the Radiation Safety Department to take necessary action to control the radiation.
- Used ESLint to follow unique code standard throughout the application and make it more readable.