

# Param Thakker

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## EDUCATION

### RUTGERS UNIVERSITY

B.S. IN COMPUTER SCIENCE,  
MINOR IN MATHEMATICS

May 2021 | New Brunswick, NJ  
School of Arts and Sciences  
Honors College. GPA: 3.94 / 4.00

## LINKS

Github:// [param-thakker](https://github.com/param-thakker)  
LinkedIn:// [paramthakker](https://www.linkedin.com/in/paramthakker)  
Personal site:// [param-thakker](https://param-thakker.github.io)

## COURSEWORK

### UNDERGRADUATE

Data Structures, Computer  
Architecture, Design and Analysis  
of Algorithms, Systems  
Programming, Introduction to  
Artificial Intelligence, Differential  
Equations, Multivariable Calculus,  
Discrete Math

## SKILLS

### PROGRAMMING

Proficient:

• Java • Python • JavaScript  
• HTML/CSS • MySQL

Familiar:

• C • C++ • ReactJS • PHP

## AWARDS

- Honors College Student
- James Dickson Carr Scholarship
- Dean's List (all semesters)
- Phi Beta Kappa Member

## LEADERSHIP

### RUTGERS UNIVERSITY

First-Year Student Mentor |  
September 2018- Present

Mentored incoming freshmen and  
provided mentees with valuable  
insight and advice to register for their  
classes. Further, also arranged various  
events to foster a sense of community  
among the students.

## EXPERIENCE

### TECHTONIC ENTERPRISES | SOFTWARE ENGINEERING INTERN

July 2019 – August 2019 | New Delhi, India

- Developed a program to convert between various image file formats using ImageMagick's Java Interface for image optimization.
- Created a file upload component with image preview using ReactJS and DropzoneJS for the user to upload multiple files using drag'n'drop technique.
- Implemented a file mime type check using JavaScript for validation of files before being uploaded to the server.
- Fixed and debugged several issues related to the front-end application using React and CSS.

### SPARTA SYSTEMS | SOFTWARE ENGINEERING INTERN

June 2019 – August 2019 | Hamilton, NJ

- Worked in a Continuous Integration Agile environment to focus on development projects to be implemented into the codebase.
- Completed several user stories related to Lightning Components in Salesforce using HTML/CSS and JavaScript.
- Tested company's code by writing unit tests for various classes in Apex/Java which increased code coverage by about 20% and supported previously untested code.
- Succeeded in closing gaps for a company-utilized data deployment tool to accelerate its implementation for the automation of user data.

### RUTGERS UNIVERSITY (DIMACS) | RESEARCH ASSISTANT

September 2018 – March 2019 | New Brunswick, NJ

- Modelled complex systems and understood the pros and cons of interconnectivity with the help of network science
- Studied the characteristics of complex systems, learned their scientific and societal impact and then programmed these systems in Java

## PERSONAL PROJECTS

### COVID-19 ANALYZER

- Created a website to track Covid-19 cases around the world using ReactJS and Material UI.
- The website makes an external API call to retrieve daily cases for all countries to display and plot them on a graph.

### PRICETRACKER

- Developed a Python script which tracks a list of saved items on Amazon and notifies via email/text if an item is within the user's budget.
- Used BeautifulSoup and Selenium libraries for web-scraping the Amazon website and retrieve relevant information.

### SECRETMESAGE APP

- Built an Android application using Java which uses AES encryption to encrypt a given message and store that in the database for the receiver.
- The receiver can decrypt the message using the password stored in MySQL database to get the original message.

### SCIENTIFIC UNIT CONVERTER

- Created a website using HTML, CSS and JavaScript to implement an efficient converter to aid engineers in unit conversions.