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
LinkedIn:// paramthakker
Personal site:// param-thakker

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)

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.

SECRETMESSAGE 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.