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Prahlad Jasti

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EDUCATION

B.S., Computer Science — Graduation: Spring 2022
Georgia Institute of Technology — *Atlanta, GA*
- **GPA**: 4.0
- **Concentrations**: Intelligence & Information Internetworks
- **Coursework**: Database Systems, Design of Algorithms, Artificial Intelligence, Data Science for Public Policy, Data Structures, Discrete Structures, Probability Theory, Linear Algebra
- **Extracurricular Activities**: Computer Science Theory Club, Competitive Programming, IEEE, Airsoft Club

SKILLS

Languages/Frameworks: Python, Java, JS, HTML/CSS, SQL, C++, Flask, Webdriver, React, R, PyTorch, Hadoop, Kotlin
Technologies: DynamoDB, Git, MongoDB, Docker, Office, Linux, Azure ML, Tableau, MySQL, Jenkins, Postman
Professional Skills: Time Management, Coordination, Communication, Teamwork, Flexibility, Organization

WORK EXPERIENCE

Academic Tutor — Feb 2020 – May 2020
Rutgers School of Engineering — *New Brunswick, NJ*
- Taught students currently enrolled in Data Structures and Discrete Structures. Met with 5 pre-registered students for one hour each weekly and at least 5 walk-in students daily.
- Advised students on core concepts, discussed optimal study methods, and assigned difficult practice problems.
- Organized exam preparation sessions for multiple students and coordinated transition to online tutoring.

Software Engineer Intern — Feb 2019 – Jun 2019
iCIMS — *Holmdel, NJ*
- Performed Jest UI testing in Javascript with Selenium WebDriver and API testing in Java with Rest Assured for new Configuration Management Tool (CMT) for iCIMS Labs Department.
- Enabled automatic transfer of user configurations between environments, saving around 10 minutes for every engineer shifting between environments.

PROJECTS

Data Science for Public Policy - Jump into STEM 2020 Challenge:
- Created mockup of app and an IoT plug with two teammates to propose reduction in phantom loads, which are devices that use electricity unbeknownst to users.
- Analyzed smart home device data in R and produced visualizations of potential energy savings in Tableau, leading to a calculation of 5% potential reduction in household energy usage, or about $3.5 billion per year.

Database Systems - Summer 2020: Georgia PPE Management System:
- Designed mock SQL database schema and application with three other students to manage PPE across hospitals, manufacturers, and warehouses across the state of Georgia.
- Implemented at least 30 procedures to make queries and transactions within the database using MySQL.
- Managed usage logs for 10 hospitals, covering at least 50 different types of PPE.

HackRU Fall 2019: Calendar Chatbot:
- Developed a chatbot with one teammate using Python, JS, Twilio, and MS Bot Emulator. Chatbot notifies users of their friends' availability based on shared Google calendars.
- Demonstrated functionality of application and presented rationale and implications to judges.

HONORS & AWARDS

Calculus League National Winner 2019: Earned perfect score on all Calculus League exams in 2018-2019.
American Invitational Mathematics Exam Qualifier: Qualified for exam in 2017, 2018, and 2019.
USA Computing Olympiad Gold Division: Achieved gold division rank in USACO.
Rutgers Undergraduate Writing Conference Invitation: Presented research paper "Societal Establishment of Conformism Through Data Publication" at conference.