Parth Desai

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EDUCATION

Georgia Institute of Technology   **Expected Graduation: May 2023**
- Pursuing a Bachelor of Science in Computer Science   *Atlanta, GA*
- **Concentrations**: Intelligence, Human-Computer Interaction   Major GPA: 4.0 | GPA: 3.93
- **Coursework:** Artificial Intelligence, Machine Learning, Objects and Design, Data Structures and Algorithms, Object-Oriented Programming, Discrete Mathematics, Multivariable Calculus, Linear Algebra
- **Honors/Certifications:** Faculty Honors Fall/Spring 2020, GT Coca-Cola Scholarship Recipient, Elastic Google Cloud Infrastructure, Essential Google Cloud Infrastructure, Google Cloud Platform Fundamentals

SKILLS

Programming Languages: Python, Java, C#, C, HTML/CSS, JavaScript, SQL
Frameworks/Libraries: Apache Kafka, ASP.NET/.NET, NuGet, Selenium, NumPy, Pandas, Django
Tools/Software: Visual Studio, Docker, ElasticSearch, Kibana, Git, Github, IntelliJ, Postman, Jira, JUnit, Jupyter
Multilingual: Spanish, Gujarati, Hindi

EXPERIENCE

Georgia Institute of Technology   **Jan 2021 – Present**
Undergraduate Teaching Assistant – Objects and Design
- Review biweekly milestones and exams designed to test core concepts for 350+ students
- Teach students and moderate lectures about Agile, UML, and the Software Development Cycle
- Assist students with their code or other questions during one-on-one Office Hours

XPO Logistics   **June 2021 – September 2021**
Software Development Intern
- Developed in-company tools in C# that augments big data flow from multiple data streams
- Participated in Agile software development through daily standups and biweekly sprints
- Created a metrics tab on the internal website that optimized view order status efficiency by 50%

PROJECTS

Generating Metrics Aggregation - XPO Logistics   **June 2021 – August 2021**
- Utilized Apache Kafka to generate a pipeline that maneuvers 500,000+ data from a topic to Elasticsearch
- Generated 6+ visualizations/graphs for a company presentation using Kibana
- Displayed a panel for metrics aggregation on the internal company website using Kafka Streams and C#

Google Cloud Live Server   **July 2021 – August 2021**
- Hosted a Minecraft server generated on a Google Compute Engine instance
- Supported 40+ players by mounting, formatting, and connecting a persistent SSD disk to the VM instance
- Constructed a cron job that automatically backs up the Minecraft server to a Cloud Storage bucket every 4 hours

CovidTracker   **September 2020 – October 2020**
- Deployed a web server using Python and Django to track coronavirus cases for a given country
- Used Pandas and Matplotlib to read from and visualize 10,000+ cells of data
- Adopted by over 5 local organizations to raise awareness of COVID-19

PackBot   **June 2020 – October 2020**
- Developed an app in Xcode that utilizes web automation to purchase Supreme clothing
- Incorporated Google Firebase to store the user's checkout information
- Purchased clothing under 5 seconds using Javascript web-scraping

LEADERSHIP

HackGT   **Feb 2021 – March 2021**
Catalyst – Lead Counselor
- Mentored 50+ students on the fundamentals of Cybersecurity
- Practiced CTF's, decrypted cyphers, and taught students about the different hats (red, black, etc.)
- Led a cohort of 10+ students to win 1st place in a CTF design competition