Kunal Samant

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Education

The University of Texas at Arlington | Arlington, Texas   **GPA:** 3.47/4.0
Bachelor of Science in Computer Science, Honor's   **Anticipated Graduation:** December 2020

Technical Skills

Languages:	Python, C, C++, JAVA, HTML, CSS, JavaScript, PHP
Database Management:	MySQL, PostgreSQL, MS Access, MongoDB, Firebase
Environments/Frameworks:	Linux/Unix, Django, Flask
Familiar with:	Agile Development, Git Version Control, Android Development, Full Stack Development, Cloud Concepts, Software Testing, Secure Programming

Work Experience

Undergraduate Research Assistant | IT Lab | UT Arlington | **May 2020 – Present**
- Developing a COVID-19 visualization dashboard using Tableau to create graphs and Django framework.
- Researched various frameworks such as Django, Flask, Vaadin, and Spring to initially propose a framework to begin designing a dashboard to fetch data from the lab server databases for visualization.

Resident Assistant | Apartment & Residence Life | UT Arlington | **Aug 2018 – May 2020**
- Led a community of over 600 residents by formulating various strategies and organizing various events to encourage diversity and inclusiveness while engaging the residents in various community activities.
- Resolved the issues and concerns of the residents by using strong problem-solving skills. Proposed and successfully implemented a change in the "on-call" policy to create a more efficient work system in 2019.

Projects

Visualization Dashboard (Django, Python) -*work project*
- Created visualizations to efficiently display a composition-based algorithm in form of graphs that can facilitate flexible analysis of multilayer networks independent of the given data set.
- Implemented Django to design a query system to fetch graph queries from the database using APIs.

PHD_STUDENTS (PHP, MySQL, Heroku) - *class project*
- Designed multiple ER diagrams to develop a sophisticated and structured database to store information about Phd students and professors with given restrictions and rules.
- Developed a webpage using PHP to fetch queries from the database by hosting the server on Heroku.

Connect4 Game (Python) - *class project*
- Developed an improvised version of Connect 4 which incorporated human-computer interaction.
- Implemented an AI using Alpha-Beta pruning algorithm to challenge the user such that user never wins.

Battle Arena (LibGDX, Android Programming, Android Studio, Java, SQLite3) – *class project*
- Designed and developed a 2D action game using LibGDX, and Android programming by implementing the principles of Object-Oriented programming in JAVA.
- Implemented an AI to mimic enemy behavior using A-star search to achieve the best goal state from start state.

Honors and Awards

Maverick Academic Scholarship	2017-present
Honors College	2017-present
4x Intramural Soccer Champion (Captain)	2017-present