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| Kunal Samant | Email: kunal19899@gmail.com |
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**Education**

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| 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**

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| **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**

**Undergrad. Research Assistant | IT Lab | UT Arlington | Arlington, Texas | 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 and Residence Life | UT Arlington | Texas | 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)

* Designing and developing a web-based GUI using Django as the base framework.
* Assisting with designing a query system to fetch graph queries 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.
* Visualized the query requests using Heroku and PHP.

**Connect4 Game** (Python) - ***class project***

* Developed a version of Connect 4 which incorporated human-computer interaction.
* Implemented an AI using Alpha-Beta pruning to challenge the user

**Battle Arena** (LibGDX, Android Programming, Android Studio, Java, SQLite3) **– *class project***

* Designed and developed a 2D action game using LibGDX, and Android programming in Object-Oriented JAVA
* Implemented an AI to mimic enemy behavior using a-star search to achieve best goal state from start state.

**Honors and Awards**

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| * Maverick Academic Scholarship | 2017-2020 |
| * Honor’s College | 2017-2020 |
| * Intramural Soccer Champions (4x) | 2018-2020 |