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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: 3.49/4.0 | |
| 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**

**Undergraduate Research Assistant | IT Lab | UT Arlington | May 2020 – Present**

* Developed the COVID-19 online dashboard using JavaScript, HTML and CSS to visualize the comparison between 2 14-day periods based on new covid-19 cases in the United States.
* Researching methods to enhance user experience using Flask, and Plotly to allow user input while visualizing.

**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**

**Covid-19 Dashboard** (Flask, Python)

* **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.**
* **Automating the visualization process by using plotly to allow the user to customize the graphs using various geographical parameters (e.g. population, education level)**

**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**

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