

# Arjun Kothakota

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U.S. Citizen

## Education

*Bachelor of Science, Computer Science, Sophomore at the University of Maryland, College Park, MD*

- Expected Graduation Year: 2022
- Dean's List (2018 - Present)
- Cumulative GPA: 3.764

## Skills

- Python
- Natural Language Processing
- Java
- Software Development Lifecycle
- Android App Development
- C Programming
- MySQL

## Relevant Coursework

- Object Oriented Programming
- Introduction to Data Structures
- Calculus 1 & 2
- Discrete Mathematics
- Introduction to Computer Systems
- Linear Algebra

## Projects

### ***Natural Language Search***

*(July 2019 – Aug 2019)*

- Created a model natural language search using Python on Jupyter Notebook that searches a dataset for a given input and finds the most relevant articles from it. This was developed using concepts of token search and Word Mover's Distance.

### ***Quizical: Math***

*(June 2017 – Oct 2017)*

- Created a basic math quiz application on Android Studio, with three levels of difficulty, that was published on the google play store.
- The application was created using Java for code development and XML for UX design. Git was used to track all changes in code.

### ***Infirmary Register***

*(Sept 2017 – Jan 2018)*

- Developed an automated register for the school's infirmary to store records of students who visit. Created using Java for front-end and MySQL for back-end with NetBeans IDE.
- This application allows users to enter various details about each student's visit. Users can also access general information about students and have access to previous visits.

### ***Submission Server***

*(Feb 2019)*

- A model student submission server that kept a count of all the computer science projects that students submitted based on certain conditions.
- Written in Java using concepts of Object-Oriented Programming such as Inheritance and Polymorphism.

## Internships

### ***ZapCom Solutions Pvt Ltd***

*(July 2019 – Aug 2019)*

- Interned as a data scientist and gained a detailed understanding of natural language processing using Python.
- Worked with Machine Learning Algorithms – Latent Dirichlet Allocation and K-Means clustering.
- Tasks mainly included pre-processing text, analyzing datasets, text classification, creating a model natural language search, and text summarization.

## Others

### ***Bitcamp***

*(2019 – present)*

- Key member of the hackathon organizing team.
- Work includes designing posters to promote the hackathon on Social Media and layouts for Mobile App and Website.