

# ARCHIT GUPTA

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## EDUCATION

<b>University of Illinois at Urbana-Champaign</b> BS Computer Science and Statistics	Champaign, IL 2020 - 2024
<b>Delhi Public School, R. K. Puram</b> GPA: 4.0	New Delhi, India 2016 - 2020

## EXPERIENCE

<b>City of Urbana</b> <i>Data Analysis and Visualisation Fellow</i>	Urbana, IL June 2020 - August 2020
<ul style="list-style-type: none"><li>Working with the Urbana Police Department to analyze traffic stop data to identify and understand patterns and disparities</li></ul>	
<b>Coronavirus Visualisation Team</b> <i>Data Analyst and Project Lead</i>	Cambridge, MA May 2020 - Present
<ul style="list-style-type: none"><li>Co-Leading an 11 member team to investigate the impact of COVID-19 on cybersecurity. Identifying industries vulnerable to cybercrime and exploring affordable protective measures.</li><li>Scrutinizing Russia's COVID19 data to determine the legitimacy of their official data by analyzing official government policies and prediction models.</li></ul>	
<b>Government of Delhi</b> <i>Research and Analysis Intern</i>	New Delhi, India May 2019 - June 2019
<ul style="list-style-type: none"><li>Mapped public facilities in all the sub-regions of Shakurbasti (region of Delhi) and created a comprehensive database.</li><li>Evaluated and analyzed the future requirements of each ward by analyzing its demographics using Pandas and NumPy.</li></ul>	

## SKILLS

Languages & Frameworks:	Python, C++, Java, Flask, SQL, HTML/CSS
Tools:	Pandas, NumPy, Sklearn, Seaborn, Matplotlib, XGBoost, Figma

## PROJECTS

<b>taar</b> <i>Python, Flask, HTML/CSS</i>	github.com/architg1/taar
Taar is a web application that uses natural language processing to analyse text, evaluate its subjectivity out of 100 and classify it as unbiased, slightly biased, biased or highly biased.	
<b>WholesomePolice</b> <i>Python, TextBlob</i>	github.com/architg1/WholesomePolice
WholesomePolice is a discord bot that uses natural language processing to flag and respond to hate speech. It also recognizes discussion related to depression and subsequently sends relevant resources. It can also provide uplifting quotes, news articles, and songs.	
<b>Cancer Classification Model</b> <i>Pandas, NumPy, Sklearn</i>	github.com/architg1/Breast-Cancer-Classification
A machine learning model that classifies breast cancer as benign or malignant based on its size, radius and area using support vector machines. It can classify the tumour with an accuracy of 87%.	
<b>Database Management System</b> <i>C++</i>	github.com/architg1/database-management-system
A database management system for hotels. The hotel administrator can create, update, search and assign rooms and the customer can search, book and upgrade rooms.	

## AWARDS

<b>Distinction in Communication Skills, Grade 5</b> Awarded for exceptional verbal and written communication skills	Trinity College London Feb 2018
<b>Gold Medal</b> Recognised for academic excellence for 7 consecutive years.	Delhi Public School, RK Puram April 2019