

RUDRANSH DIKSHIT

rudranshd123@gmail.com ♦ 940-703-1599 ♦ linkedin.com/in/rudransh-dikshit

EDUCATION

Texas A&M University

Bachelor of Science in Computer Science (minors in Mathematics and Economics)

GPA: 3.8 Engineering Honors Program

May 2023

EXPERIENCE

NYC Department of City Planning

Back-end Software Engineering Corps Member

Jun 2021 – Present

New York City, NY

- ♦ Calculating roof pitch of each of the 1,000,000+ buildings in NYC to assess for solar potential using **LiDAR data** and the **k-means method** on eigenvector values with **Jupyter-Notebook** linked to **Postgres Database**
- ♦ Designing back-end API for interactive web-app built with **React** and **Three.js** to inform NYC residents about city-wide services and their respective providers

Applied Cognitive Ergonomics Lab

Software Developer / Lead Video Editor

Aug – Dec 2020

College Station, TX

- ♦ Designed cross-platform app using **Flutter/Dart** to help bring equitable technology to diabetic residents of Kleberg County, TX and enable them to track vital health statistics such as their caloric intake and blood sugar levels
- ♦ Won 1st Place at 2020 Fall Virtual Project Showcase for best video presentation out of 50+ competitors after assisting with the design of an iOS app to track college students' mental health using **Swift** and **Xcode**

Urban Resilience Lab

Undergraduate Researcher

Aug – Dec 2019

College Station, TX

- ♦ Pulled from **Twitter API** to analyze crowdsourced hurricane data and its effect on marginalized communities by applying the **machine learning** model of logistic regression through the Python **Pandas** library

Reata Pharmaceuticals

Medical Affairs Intern

Jun 2018 – Jul 2018

Irving, TX

- ♦ Used **SQL** to export published journal articles relating to the company's patented drug, Bardoxolone Methyl, into database

PROJECTS/AWARDS

Hourly Options Tracker

Team Lead

Jan 2021 – Jun 2021

- ♦ Developed **ETL pipeline** using virtual **Docker** container to periodically send real-time stock option data from **Yahoo Finance API** to users through the **Microsoft Teams** direct messaging platform
- ♦ Developed automated testing platform to deploy app using **Jenkins** and **Airflow**

Aggies Invent: Energy — 'Power Protected'

Product Designer / Presentation Manager

Oct 2019

- ♦ Won 1st Place Award at 48-hour design competition at Texas A&M University from pool of 100+ competitors for designing novel **microgrid**-system to maintain power in communities affected by natural disasters

Texas A&M University President's Endowed Scholar / National Merit Finalist

Aug 2019

- ♦ Merit based scholarship awarded for high PSAT exam score

ADDITIONAL INFORMATION

Programming Languages: C++, Python, Java, R, Javascript, HTML/CSS, Dart, SQL, Scheme

Software: React, Docker, Flutter, GIS, Jenkins, Git, Django, Flask, Android SDK, Arduino IDE, Google Cloud Platform, Agile

Interests: Rock Climbing, Investing, Cooking, Basketball, League of Legends, Hip-Hop Music

Languages: Fluent in English, Spanish, Oriya, Hindi

Work Eligibility: Eligible to work in the U.S. with no restrictions