

# Anish Thakker

SOFTWARE ENGINEER · DEVELOPER · STUDENT

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## Education

### University of Maryland, College Park

College Park, Maryland

BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE, MINOR IN BUSINESS ANALYTICS

Aug. 2018 - May 2021

- GPA: 3.84
- Recipient of the Presidential Scholarship.
- Made Dean's List during every semester of attendance.

## Skills

**Languages** Java | Python | C | R | Scala | OCaml | Ruby | Rust | C# | Swift | SQL | JavaScript | HTML | CSS

**Tools** AWS | Docker | Ansible | Shiny | Neo4J | Git

**Notable Coursework** Data Structures | Algorithms | Introduction to Data Science | Discrete Mathematics | Introduction to Computer Systems

## Experience

### Capital One

McLean, Virginia

SOFTWARE ENGINEERING INTERN

Jun. 2020 - PRESENT

- Improving user experience for data producers within Capital One's Streaming Data Platform.
- Currently developing APIs in Scala to eliminate pain points for data producers when streaming data into a Snowflake data warehouse and an S3 data lake.
- Wrote stored procedures on a Snowflake data warehouse to automate data provisioning processes using JavaScript and SQL.

### Leidos

Gaithersburg, Maryland

SOFTWARE ENGINEERING INTERN

May. 2019 - Nov. 2019

- Worked on the Data to Intelligence Team in an Agile Development environment to produce shippable results in efficient two week sprints.
- Developed Jupyter Notebooks for email data analysis and spoofing detection using Python and Spark. Demonstrated this project, which is currently being utilized by Cyber Analysts at Leidos on a daily basis.
- Engineered queries to perform graph analysis of email data relationships using Neo4j. Learned Neo4j during the process and presented my work to Leidos leadership.
- Taught myself Docker and Ansible in order to successfully deploy servers and containers on an AWS cloud environment.

### Department of Computer Science, University of Maryland

College Park, Maryland

TEACHING ASSISTANT

Aug. 2019 - PRESENT

- Led a discussion of 40 students, graded projects and exams, held office hours to reinforce concepts taught in class, and assisted students with projects.
- CMSC 131 (Object Oriented Programming I): Fall '19 and Fall '20 (incoming).
- CMSC 132 (Object Oriented Programming II - Intro to Data Structures): Spring '20.

## Projects

### College Football Recruiting War (cfb.anishthakker.com)

PERSONAL PROJECT

May 2020

- Developed a web application that provides data on recruiting battles amongst college football programs.
- Using data from 2002-2020 from 247 Sports, this web app will allow the user to choose a state, position, star rating (according to 247), and a time period. The web app will then tell the user the top 3 recruiting programs within that category, along with their best recruit from that category.
- Deployed on AWS using an EC2 instance at cfb.anishthakker.com
- Back end data operations done using R and front end written using Shiny.

### SOLELINKS Twitter Bot

PERSONAL PROJECT

July 2019

- Developed a Python project that functions as a bot for the SOLELINKS twitter page.
- Created with the purpose of helping sneaker fans (such as myself) get a jump on sneaker deals when they are announced.
- The bot sends a text message to the user's mobile device every time SOLELINKS tweets about a deal that involves a particular set of shoe brands specified by the user.
- Utilized the Twitter API for twitter monitoring and the Twilio API for SMS messaging alerts.