Anish **Thakker**

SOFTWARE ENGINEER · DEVELOPER · STUDENT

☐ 240-444-7747 | ✉ anish.thakker1@gmail.com | 🏠 anishthakker.com | 💻 anish-thakker | 💼 anishthakker

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	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*

- Working on the ingestion framework for Capital One's Streaming Data Platform and improving user experience for data producers.
- Currently developing APIs in Scala to eliminate various pain points for data producers when streaming data into Snowflake and an S3 data lake.

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*

- 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.