ANIRBAN KUMAR

Edison, NJ

732-331-0111

anisingh2000@gmail.com | anirbankumar.github.io | github.com/anirbankumar | linkedin.com/in/anirbankumar

---

SKILLS

Programming Languages: Java, Python, Swift, Kotlin, JavaScript, Scala, C/C++

Frameworks/Libraries: React, UIKit, REST APIs, Numpy, Pandas, Streamlit

Cloud: AWS (S3, AWS Python SDK), GCP (App Engine, APIs & Services), Firebase

AI/ML: PyTorch, Tensorflow, OpenAI, LangChain, FAISS, HuggingFace

---

WORK EXPERIENCE

Meta - *Incoming Software Engineer*   *Offer Received*

Team is working on a brand new consumer hardware product.

Capital One - *Senior Associate Software Engineer*   **August 2023 - May 2024**

Developing a brand new system for Highly Sensitive Human Data (HSHD) detection that scans a wide range of data sources within Capital One and can easily be expanded to include new data sources in the future, if necessary.

- Reduced access provisioning times from weeks to seconds, significantly speeding up the access workflow and improving time-to-value for data store access, while bolstering data security.
- Helped design a standardized registration and secure token provision workflow, enhancing data store access efficiency and compliance.

Capital One - *Associate Software Engineer*   **August 2022 - August 2023**

Helped provide the support team at Capital One with new ways to identify issues with our file delivery pipeline by making robust dashboards, better error logging and handling, as well as intelligent alerting.

- Reduced support triaging time from ~1 hour to less than 10 minutes by building dashboards using AWS, Python, SQL, and Splunk.
- Enhanced insight into file delivery process by including Pagerduty and Slack alerts.

Capital One - *Software Engineer*   **June 2021 - August 2021**

Converted the bank statements portion of Capital One's Android mobile banking app from Java to Kotlin.

- Reduced average bank statement loading and downloading times from ~6 seconds to ~3 seconds.
- Added accessibility features and localized the feature for 7 languages to better serve users.

T-Mobile - *Software Engineer*   **October 2020 - May 2021**

Worked with the Operations Support Systems team to help identify issues in T-Mobile's nationwide network.

- Built a dashboard using HTML, CSS and JavaScript to show latest network equipment data.
- Converted Python scripts to store data in a database, reducing load times from several minutes to 5 seconds.

Verizon - *Software Engineer*   **June 2020 - August 2020**

Assisted the Partnerships team by analyzing network traffic and planning 5G deployment based on historical data

- Built an automated reporting tool in Python to compile statistics from CSV files into user friendly models, reducing reporting time from hours to minutes.
- Helped standardize over 30 GIS mapping tools into one centralized platform, enabling easier access to essential tools.

PROJECTS

The Listly *(React, Node.js, AWS, GCP, Firebase, GPT-4, GPT-4 Vision)*   **January 2024**

Website that allows realtors to generate listing descriptions for properties within seconds at thelistly.com

- React frontend with a modern responsive design
- Node.js backend which handles all the data sending and receiving
- OpenAI API used for analyzing pictures and helping generate a unique, compelling listing description.

Whole Foods Automated Delivery *(Python, Selenium, BeautifulSoup, AppleScript)*   **April 2020**

A Python script that automates ordering groceries from Whole Foods during COVID

- Parsed Whole Foods' website using BeautifulSoup and used Selenium to automate the checkout process, increasing the odds of a successful checkout by an order of magnitude.

- Created an AppleScript to text the user when an order was placed successfully.

This or That Polls *(Swift, Firebase, Core Data)* **March 2020**

An iOS app that enables users to vote anonymously on polls and create polls for other users to vote on

- Utilized Google's Firebase to save user and poll information in real time.
- Implemented Core Data to save user's progress without the need of an account.

Locate It AR *(Swift, ARKit, Core Data)* **September 2019**

An iOS app that uses the device's GPS and compass data to augment pins of saved location in the real world

- Used iPhone's GPS and compass data to detect user location and orientation and displayed pin of saved locations using ARKit. Saved location information using Core Data for persistent in-memory storage.

AWARDS

Apple's WWDC Scholarship Recipient (x2) **2017 & 2019**

An award given by Apple to 350 students worldwide for showcasing their technical ability using Apple technologies (such as Swift). Winners got to attend their annual developer conference and attend sessions about new technologies.

EDUCATION

Rutgers University, New Brunswick, NJ
Bachelor of Arts, *Computer Science & Information Technology, summa cum laude*