

**AMAN TAHILIANI**  
1016 Howell Mill Rd NW #1201 Atlanta, GA 30318

**Email:** amantahiliani@gatech.edu

**Phone:** +919810234067

[Link to Website](#)

## **EDUCATION:**

**Master's in Computer Science**, Georgia Institute of Technology

Starts Aug 2022

**B.Tech in Computer Science Engineering**, Jaypee Institute of Information Technology, July 2018 – May 2022  
Noida, India, **GPA: 8.2/10**

**TOOLS AND TECHNOLOGY:** Python (Flask and Django), C++, Snowflake, PostgreSQL, MongoDB, Kubernetes, Azkaban, AWS (S3, Lambda), ReactJS, Linux, Git & CI/CD

## **WORK EXPERIENCE:**

**Innovaccer Analytics**, Noida

### **SDE Intern (Backend)**

Feb 2022 - July 2022

- Worked as part of the Data Activation Platform team to create and maintain production ready microservices responsible for parsing and standardizing incoming healthcare data from different sources spanning more than 7 different data formats such as HL7, CCLF, CCD, CSV etc.
- Designed and created Aggregator metrics service to collect metadata of time taken by DAP microservices to process data for each customer and source type and aggregating them into Snowflake tables in order to represent them in graphical formats using Power BI.
- Created a framework for reporting of success and failure metrics of Merge and Split jobs in EMPI (Enterprise Master Patient Index) service.
- **Technology Used:** Python (Including Flask and Django), Snowflake, PostgreSQL, Redshift, MongoDB, Kubernetes, Azkaban, Amazon Web Services (S3, Lambda) and Azure.

### **Summer Intern (SDE Backend)**

May 2021 - August 2021

- Created and maintained the backend for two platform level services, License Management and Platform Configuration, as one of three Backend engineers in a team of 9.
- Maintained over 25 API endpoints using Django RestFramework and ported existing MongoDB collections to PostgreSQL.
- Optimized a critical API endpoint by reducing the response time from 16 seconds down to under 3 using Redis Caching and bulk creation/update.

### **MEDSupervision, Delhi - Web Development Intern**

Oct 2020 - April 2021

Created frontend for the MEDSupervision healthcare platform, using ReactJs framework and optimized load times for the codebase and worked on Flask based backend for the Medicine Comparator service.

## **PUBLICATIONS:**

[Google Scholar](#)

- “Machine Unlearning and Its Need and Implementation Strategies”: ACM Digital Library, presented in IC3-2021.
- “Framework for Determining Suitability of Blockchain”, Transactions on Emerging Telecommunications Technologies, Wiley (Volume 32, Issue10), Oct 2021.
- “Privacy-Preserving and Incentivized Contact Tracing for COVID-19 Using Blockchain”: IEEE Internet of Things Magazine ( Volume: 4, Issue: 3), September 2021.

## RELEVANT PROJECTS:

- **Social Media Distraction Limiter**, Major Project, IIIT, Noida September 2021-Present  
In a team of 3, built a tool using Django RestFramework, Python Selenium library and Flutter to aid those looking to reduce social media screen time without forgoing it completely. Worked mainly on the backend portion which included developing the logic for automated scraping and creation of 7 API endpoints.
- **Escaping Alderaan: Multiplayer Sockets Game**, IIIT, Noida Jan 2021- May 2021  
In a team of 3, created a multiplayer mystery room escape game using the Python Pygame game library, Adobe Illustrator for graphics and Python socket library to establish client/server pair.
- **PM 2.5 Prediction Model**, Independent Project, IIIT, Noida Sept 2020- Dec 2020  
Built a model for predicting PM 2.5 particulate pollution levels across 20 Indian cities using Decision Tree and Random Forest techniques and compared the accuracy levels of the two, with Random Forest proven as the better. .