Tanmoy Panigrahi

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Education

Georgia Institute of Technology | BS in Computer Science   **Graduating Spring 2022**
- GPA - 3.90/4.00
- Concentrations: Artificial Intelligence & Human-Computer Interaction
- Faculty Honors, Dean's List, Georgia Tech Grand Challenges Program (Digital Information Team)
- Coursework: Data Structures & Algorithms, Introduction to Object-Oriented Programming, Objects & Design, Computer Organization, Introduction to Artificial Intelligence

Experience

Undergraduate Researcher - Georgia Institute of Technology   **Fall 2019 - Present**
- Working in Dr Thad Starner's lab on improving the efficiency of order picking - the process of finding and picking orders inside a warehouse - using head-mounted displays.

Summer Research Intern - Indian Institute of Technology   **Summer 2019**
- Worked under Dr Saroj Nayak on using machine learning to cure gut microbiota imbalance with probiotics
- Using regression analysis, built a predictive model of probiotic efficacy with 98.5% accuracy.
- Visualized and analyzed data sets using Matplotlib and Seaborn. Learned K-Means Clustering.

Projects

Interstellar Merchant (Java, Kotlin)   **Spring 2019**
- An Android game that involves the user trading goods on various planets and travelling across the universe on a quest to make enough money to buy the moon.

Hollows (Swift)   **Summer 2019**
- A choose your adventure style story-based app for iOS.
- Available on the App Store

Netpatrol (Python)   **Fall 2018 - Spring 2019**
- Part of the Grand Challenges program at Georgia Tech and a five-member team that developed a program employing heuristic analysis of metadata to predict the trustworthiness of accounts and sources on social media with 80% accuracy.

Technical Skills

- Languages: Advanced - Java, HTML, CSS | Intermediate - Swift, Python, C++ | Familiar: Kotlin
- Tools: Android Studio, XCode, Git, Java FX, Alexa Skills, Jekyll, macOS, Linux, Windows

Honors and Activities

- Clubs: The Agency - Machine Learning Club, Yellow Jackets Badminton Club, GT iOS Club
- Olympiads: Indian Computing Olympiad, Indian Mathematical Olympiad qualifications (~ Top 100 in India)
- Other: State Badminton Champion, National Film Festival - Best Student Music Composer Award
- Leadership & Volunteer: Highschool Student Council President, GT Grand Challenges Mentor