

Krish Ranglani

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science

(August 2021 - December 2024)

(GPA : 3.82 / 4.0)

- **Member of the RHA and President of the Woodruff Residence Hall Council (2021-2022)**
- **Clubs:** Big data Club, Analyst at Georgia Tech Investments Committee
- **Relevant Course Work:** Algorithms Honors, Data Structures and Algorithms, Intro to Object Oriented Programming, Computer Organization and Programming, CS Objects and Design, Applied Combinatorics, Intro to Discrete Mathematics, Applied Statistics and Probability, Intro to Artificial Intelligence

EXPERIENCE

DeepTek Medical Imaging

Software Development Intern

(May 2023 - August 2023)

- Worked on the frontend and backend of a 'License Management Tool' that was integrated with the product and helps keep track of the type of license, the number of scans remaining and the time remaining before the license expires.
- Collaborated with the UX strategy team to design the user interface (UI) for the License Management Tool. I utilized **React.js** for the development and also took charge of designing wireframes and prototypes for the screens using Figma.
- Created 42 RESTful API endpoints in **python** using the **Flask** Framework.
- Implemented the Sync functionality using Celery and an email OTP verification feature using flask-mail.
- Used **MongoDB** to manage the database on the backend.

Georgia Institute of Technology - Vertically Integrated Projects

(August 2022 - Ongoing)

Student Researcher

(Atlanta- GA)

Intelligent Platform for Crowdsourcing

- Researching factors to build an Intelligent Crowdsourcing platform that engages users in active sharing of information
- finding new ways to develop and implement new approaches with cognitive reasoning modules and advanced data and knowledge visualization to enhance the experience and usefulness of crowdsourced problem-solving.
- Working to create an interactive UI that is able to provide the maximum number of opinions for a question, while clustering repetitive comments and gamifying posting of high value comments.

PROJECTS

Mental Health Tracker (Hello Buddy!) — (<https://youtube.com/shorts/5xAjX0Acexk>)

- Created a mental health tracker, that tries to get an idea of the mental state of the user (in the least intrusive ways), finds out if they are suffering and then suggest measures they can take to get out of their present condition.
- Used **Flutter**, **Firebase** and implemented the **Google Sign-in** feature.

ML algorithm to get useful information from Presentations (Grade Saver)-(<https://gitfront.io/GradeSaver/>)

- Implemented an algorithm that scans lecture slides and creates a summary of the topics covered using Extractive text summarizing, which weighs terms' importance based on term frequency, inverse document frequency and font.
- Used **pytextrank** implementation to implement the TextRank Algorithm, similar to Google's PageRank Algorithm.
- Made use of the **SpaCy** package in python.

Inventory Management System — (<https://gitfront.io/r/user-3165129/Loq9fz3JZAAp/Inventory-Management/>)

- Built a comprehensive software application designed to streamline and enhance the operations of a restaurant.
- Is able to keep track of stock, menu, dishes and vendors with add delete and update functionality.
- Also created a login feature and a dashboard that keeps track of the users who used it for accessing and editing information.
- Applied **.Net**, **C#** , **JavaScript** and **MySQL**

Website to get unanswered questions (QuestionCollector)-<https://gitfront.io/r/user-3165129/GqoYgybbDZxv/QuestionCollector/>)

- Designed a website that scans popular forum websites for unanswered questions and shows them on a single web-page.
- Used **StackOverflow**, **StackExchange** and **KhanAcademy** APIs to search for unanswered questions
- Applied **HTML**,**CSS**, **JavaScript** and **React**

SKILLS

Languages : Python, Java, JavaScript, HTML/CSS, MongoDB, C(Programming Language), C#

Tools : React, .NET, Flask, Celery, Linux. Tensorflow, Pandas