RANVEER S. THIND
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EDUCATION
Georgia Institute of Technology, Atlanta GA   *GPA: 4.00*
    BS, Computer Science – Faculty Honors   Expected Graduation: **May 2022**
    Concentrations: Artificial Intelligence & Information-Internetworks
    Relevant Coursework: Data Structures & Algorithms, Machine Learning, Computer Organization & Programming, Object Oriented Programming, Statistics & Applications, Objects & Design

EXPERIENCES
Queues | *Part-Time Backend Developer*   **[Aug '20 – Pres]**
- Creating REST API routes using Flask and MongoDB for login and signup authentication
- Developed API routes for posting computer vision data to influxDB

LexisNexis Risk Solutions | *Software Engineering Intern*   **[May '20 – July '20]**
- Developed python script to extract info using JIRA API and authentication
  - Ran script on CentOS server cron job and visualized data on PowerBI
- Extracted test case data via python script on Git CI/CD pipeline and published data on centOS server
- Developed ability to connect to database and run SQL queries/stored procedures from feature files
  - Leveraged Spring Boot JDBC, write assertions based on JSON output of query

Cartogram | *Software Engineering Intern*   **[July '18 – Aug '18]**
- Utilized Java & JS to develop floor & nearby room detection for Chatbot
- Triangulated nearby landmarks using GPS coordinates from SQL database
- Improved functionality for direction between rooms on Chatbot using Cartogram's APIs

RESEARCH
Laboratory for Intelligent Decision and Autonomous Robots | *Georgia Tech*   **[Aug '20 – Pres]**
- Utilizing OpenCV for security-based face-detection
- Developing functionality for camera-based terrain detection

PROJECTS
Edify – Zoom Engagement Tool | *DubHacks '20 Google Cloud Covid-19 Fund Winners*   **[Aug '20 – Pres]**
- Utilized NLTK and Sklearn's library to detect and categorize questions and topics from zoom meetings
- Performed face-detection analysis on video recordings using OpenCV
- Generated graphs that tracked attentiveness and engagement over time
- Stored inputted data from webapp onto GCP and deployed scripts to cloud functions

Path Finding Algorithm Visualizer   **[Jan '20 – Apr '20]**
- Developed Web App in React to visualize the BFS pathfinding algorithm
- Displayed steps that the algorithm takes to navigate from the start to end node
- Implement functionality to place walls for the algorithm to maneuver

Electoral Map Visualizer   **[Nov '19 – Jan '20]**
- Analyzed prior election data to generate electoral college maps
- Developed functionality to generate "Red & Blue" and blended maps to show election insights

SKILLS
- **Languages:** Java, Python, MySQL, JavaScript, HTML, CSS
- **Tools:** MongoDB, Flask, Google Cloud Platform, CentOS, Git, CI/CD Pipeline, React, Firebase