# n Khanna

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#### **EDUCATION**

#### Georgia Institute of Technology

Master of Science, Computer Science - Computational Perception and Robotics

### Georgia Institute of Technology

Bachelor of Science, Computer Science - Devices and Intelligence

- Relevant Coursework: Machine Learning, Algorithms, Data Structures, Intro to AI, Robotics and Perception, Computer Vision
- Awards: 3x Faculty Honors, 5x Dean's List, 2<sup>nd</sup> place Deloitte National Case Competition, 18 Under 18 Arizona, Eagle Scout

## **EXPERIENCE**

#### **PwC**

#### Technology Strategy Consulting Intern

- Remediated regulatory issue for a bank with 1M+ users; developed framework to apply to all banking regulatory topics
- Developed a playbook to integrate GenAl across 80 Technology Strategy engagements impacting >\$100M in deals
- Program managed all workstreams across project with 30 member PwC and client joint team

#### **Cox Automotive**

#### Software Engineer Intern

- Developed tool to extract data from high performance computers improving efficiency of business and development teams ٠
- Architected marketplace for vehicle conditions with potential of generating \$37 Million in additional annual revenue
- Utilized lambda functions and cloud deployment through AWS CDK and created GitHub Actions for auto deployment
- Implemented a React.js based dashboard for monitoring user metrics across client-facing applications

### Autonomous LiDAR (VIP) @ Georgia Tech

#### Undergraduate Research Assistant

- Led Software Team focusing on developing algorithms and created 90+ tests to simulate rover behaviors
- Enhanced rover path finding efficiency by 15% using new navigation algorithms to optimize travel between destinations
- Deployed management system, created issue boards and organized work with ticketing system for future semesters

# Design Informatics Lab, Arizona State University

#### **Research Assistant**

- Collaborated with graduate students to advance autonomous vehicle technology, emphasizing machine learning systems
- Implemented a new database of composable benchmarks, CommonRoad, and programmed traffic scenarios using Python

#### PROJECTS Rocola

#### Founding Developer & Product Manager

- Developed virtual jukebox for restaurants and venues to allow guests to choose their own music
- Implemented Stripe API to allow monetization with React.js and Radix UI for the frontend and AWS for the backend
- Utilized Spotify API to allow users to join jukebox using their own accounts providing access to personal playlists

#### Recommendio

#### Founding Developer

- Developed algorithm to recommend music based on inputted song using machine learning models such as KNN
- Implemented feature selection using the information gain, chi-squared test, and correlation coefficient methods
- Built agglomerative clustering, cosine similarity, and KNN models and evaluated models based on intra-list similarity

#### ColorFix

#### HackGT9 Submission

- Developed a browser extension to cater to with color blindness as part of a 36-hour hackathon project
- Product adds filter to any webpage to allow people with specified forms of color blindness to differentiate colors
- Utilizes PostgreSQL databases for capturing data and HTML, CSS, and JavaScript for frontend and backend development

## LEADERSHIP

# **Undergraduate Consulting Club**

## Vice President of Pro Bono

- Sourced 15+ Fortune 100 companies and local startups facilitating Pro Bono work
- Persuaded 7 consulting firms to host recruiting events each semester; increased club attendance 5x

## **Sustainable Water Project**

### **Co-Founder and Executive Director**

Non-profit that operates in impoverished villages in India installing water infrastructure to improve daily life

- Raised \$25,000+ to install solar-powered infrastructure to bring potable water to over 20,000 people in 8 villages in India ٠
  - Established a sewing enterprise (equipment and training) at an Indian village that created 20+ jobs for women
- Led operations for 4 years from fundraising to on-site implementation of each project understanding the needs of villagers •

#### OTHER

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Skills: Python, Java, React.js, Typescript, JavaScript, Amazon Web Services (AWS), Maven, C, Assembly, HTML/CSS, Mechanics, CAD, Microsoft Office, CommonRoad, SQL, Git

Extracurriculars: Undergraduate Consulting Club (UCC), WebDev @ GT, Trading Club at Georgia Tech, Phi Kappa Theta Fraternity

#### Jun 2022 - May 2025 GPA: 3.85

Aug 2025 – May 2026

# New York, NY

# Jun 2024 – Aug 2024

# Atlanta, GA

# Tempe, AZ

Jan 2024 - Present

## Jun 2021 – Sep 2021

# Atlanta, GA

# Jan 2023 – Present

#### Atlanta, GA

#### Aug 2023 – Dec 2023

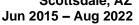
# Atlanta, GA

#### Oct 2022

# Nov 2023 – Present

# Scottsdale, AZ

# Atlanta, GA



# May 2023 – Aug 2023

Atlanta, GA