# Arin Khanna

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## EDUCATION

**Georgia Institute of Technology**                                                              **Aug 2025 – May 2026**
Master of Science, Computer Science – Computational Perception and Robotics


**Georgia Institute of Technology**                                                              **Jun 2022 – May 2025**
Bachelor of Science, Computer Science – Devices and Intelligence                          **GPA: 3.85**
- *Relevant Coursework:* Machine Learning, Algorithms, Data Structures, Intro to AI, Robotics and Perception, Computer Vision
- *Awards*: 3x Faculty Honors, 5x Dean's List, 2nd place Deloitte National Case Competition, 18 Under 18 Arizona, Eagle Scout

## EXPERIENCE

**PwC**                                                                                          **New York, NY**
*Technology Strategy Consulting Intern*                                                          **Jun 2024 – Aug 2024**
- Remediated regulatory issue for a bank with 1M+ users; developed framework to apply to all banking regulatory topics
- Developed a playbook to integrate GenAI 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**                                                                              **Atlanta, GA**
*Software Engineer Intern*                                                                       **May 2023 – Aug 2023**
- Developed tool to extract data from high performance computers improving efficiency of business and development teams
- 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**                                                        **Atlanta, GA**
*Undergraduate Research Assistant*                                                               **Jan 2024 – Present**
- 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**                                             **Tempe, AZ**
*Research Assistant*                                                                             **Jun 2021 – Sep 2021**
- 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**                                                                                      **Atlanta, GA**
*Founding Developer & Product Manager*                                                           **Jan 2023 – Present**
- 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**                                                                                 **Atlanta, GA**
*Founding Developer*                                                                             **Aug 2023 – Dec 2023**
- 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**                                                                                    **Atlanta, GA**
*HackGT9 Submission*                                                                             **Oct 2022**
- 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**                                                                **Atlanta, GA**
*Vice President of Pro Bono*                                                                      **Nov 2023 – Present**
- 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**                                                                    **Scottsdale, AZ**
*Co-Founder and Executive Director*                                                              **Jun 2015 – Aug 2022**
*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
- 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

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