

Arin Khanna

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EDUCATION

Georgia Institute of Technology

GPA: 3.90

Bachelor of Science, Computer Science – Devices & Intelligence

Expected May 2025

- *Relevant Coursework:* Machine Learning, Design & Analysis of Algos, Data Structures & Algorithms, Computer Organization
- *Awards:* Dean's List, 18 Under 18 Arizona, Eagle Scout Boy Scouts of America, National Merit Commended
- *Prior:* Chaparral High School (AZ) Graduate; Top 5%, GPA: 4.0/4.0, ACT: 35, AP Scholar with Distinction

EXPERIENCE

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
- Utilized lambda functions and cloud deployment through AWS CDK and created GitHub Actions for auto deployment
- Architected marketplace for vehicle conditions with potential of generating \$37 Million in additional annual revenue

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 over \$25,000 to install solar-powered infrastructure to bring potable water to over 20,000 people in 8 villages in India
- Created over 20 jobs for women to earn money through a sewing enterprise providing sewing equipment and training
- Led operations for four years from fundraising to on-site implementation of each project understanding the needs of villagers

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
- Conducted extensive review of cutting-edge research in autonomous vehicles, presenting findings at weekly meetings

Firebird Robotics FRC Team 3019

Scottsdale, AZ

Mechanical Department Head, Drive Team Coach

Aug 2019 – May 2022

- Spearheaded a dynamic team of students to design and build every aspect of the physical robot including the drivetrain, shooter, pickup mechanism, and intake for high school competitions at the local, regional, and national level
- Contributed code for autonomous robot movements in Java and delivered advanced CAD prototypes
- Championed a successful campaign to secure \$45,000 and material support from corporate sponsors

PROJECTS

SpotBox

Atlanta, GA

Founding Developer

Jan 2023 – Present

- Developing virtual jukebox for restaurants and venues to allow guests to choose their own music
- Implementing Stripe API to allow monetization utilizing React.js and Radix UI for the frontend and AWS for the backend
- Utilizing Spotify API to allow users to join jukebox using their own accounts giving access to personal playlists

ColorFix

Atlanta, GA

HackGT9 Submission

Oct 2022

- Developed a browser extension to cater to people 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

Boy Scouts of America, Troop 648

Scottsdale, AZ

Eagle Scout and Assistant Senior Patrol Leader

Aug 2015 – May 2022

- Planned various scout outings including camping trips and merit badge completion, and organized local fundraisers
- Recruited new scouts to join the troop by pitching and working alongside to Cub Scout groups at local elementary schools
- Mentored scouts through the ranks to Eagle Scout, assisting in merit badges, rank requirements, and planning service projects

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: WebDev @ GT, Undergraduate Consulting Club (UCC), Trading Club at Georgia Tech