

# ISHAAN MAKHIJA

201-887-2033 | [imakhija@terpmail.umd.edu](mailto:imakhija@terpmail.umd.edu) | [linkedin.com/in/ishaan-makhija](https://www.linkedin.com/in/ishaan-makhija) | [imakhija.github.io](https://github.com/imakhija)

## EDUCATION

### University of Maryland, College Park

Aug 2022 - Dec 2025

*Bachelor of Science in Computer Science, Minor in Statistics*

*College Park, MD*

**Relevant Coursework:** Software Engineering, Introduction to Artificial Intelligence, Computer Networks

**Leadership:** Phi Gamma Delta Fraternity (Diversity, Equity, and Inclusion Chair)

## TECHNICAL SKILLS

**Languages:** C, Python, Java, HTML, CSS, JavaScript, SQL

**Frameworks:** Bootstrap, React

**Tools:** AWS, Git, Docker, Swagger, Postman, Lucidchart, Wireshark, Roboflow

**Libraries:** pandas, NumPy, SciPy, Matplotlib

## CERTIFICATIONS

### AWS Certified Cloud Practitioner

Jul 2020

## PROFESSIONAL EXPERIENCE

### Infrastructure Engineering Intern

Jun 2024 – Aug 2024

*Broadridge*

*Newark, NJ*

- Met with vendors and analyzed air-gapped cyber vault solutions to enhance recovery in the event of disasters
- Composed cyber solution documentation with industry standards and SEC + PCI regulations for compliance
- Optimized appliance migration planning by organizing and consolidating information from **20k+** assets in Excel

### Back-End Engineer Intern

Jun 2023 – Aug 2023

*Belize FinTech*

*Remote*

- Designed API endpoints for financial institutions to facilitate KYC processes and management of banking ledgers

### Certified Trainer

May 2021 – Aug 2023

*Chipotle Mexican Grill*

*Montvale, NJ*

- Trained new hires on company procedures and policies ranging from food safety to customer satisfaction
- Maintained high standards of customer service during high-volume, fast-paced operations

### Freelance Web Developer

Oct 2019 – Feb 2020

*Norwood Industrial Park*

*Norwood, NJ*

- Developed a new website with property listings for a local family-owned real estate consultant company

## PROJECTS

### Roots and Routes | *Python, TensorFlow, Roboflow, Remix, PostgreSQL*

Sep 2024 - Dec 2024

- Collaborated with a team of **5** developers to create a camera-based plant species identification tool for a professor
- Trained a CNN model in TensorFlow on **53** unique species of plants native to the University of Maryland campus
- Deployed updates based on testing, reducing prediction time to under **5 seconds** and boosting accuracy by **~15%**

### Chord [Distributed P2P Lookup] Protocol | *C, Wireshark, Docker, Git*

Apr 2024

- Implemented key functionalities of Chord protocol in C, including nodes joining and leaving and key lookup
- Handled node communication via UDP socket programming and Wireshark to verify packet delivery and accuracy

## COMMUNITY SERVICE

### Lead Web Developer

Oct 2020 – Dec 2020

*Hills Valley Coalition*

*Montvale, NJ*

- Revamped a community-based nonprofit's website to raise awareness against bullying and substance abuse

### Robotics Mentor

Oct 2018 – Jan 2020

*FIRST Lego League*

*Montvale, NJ*

- Helped a local middle school robotics team with EV3 programming