# ISHAAN MAKHIJA

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## EDUCATION

**University of Maryland, College Park**                    Aug 2022 – Dec 2025
*Bachelor of Science in Computer Science, Minor in Statistics, GPA:* 3.76                    *College Park, MD*

## TECHNICAL SKILLS

**Languages**: Python, C, Java, HTML, CSS, JavaScript, SQL
**Frameworks**: Bootstrap, FastAPI
**Tools**: Git, Postman, Docker, Visual Studio Code, Lucidchart, Wireshark
**Certifications**: AWS Cloud Practitioner

## PROFESSIONAL EXPERIENCE

**Software Engineer Intern**                    Jun 2025 – Aug 2025
*Broadridge Financial Solutions*                    *Newark, NJ*
- Integrated AI automation to streamline content management for a marketing platform serving financial advisors
- Developed a hybrid search tool leveraging BM25 and vector embeddings to retrieve relevant financial articles
- Built an entity resolution solution alongside interns to standardize client names via embedding-based clustering

**Infrastructure Engineer Intern**                    Jun 2024 – Aug 2024
*Broadridge Financial Solutions*                    *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
- Collaborated with interns to design and present corporate initiatives promoting gender diversity in technology roles

**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
- Authored comprehensive OpenAPI documentation using Swagger to streamline integration with financial systems

**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

## PROJECTS

**NJ MVC Appointment Notifier** | *Python, Beautiful Soup*                    Apr 2025 – May 2025
- Built a real-time monitoring tool to automate the scraping and tracking of driver's license appointment availability
- Created filters tailored to users' schedules and nearby MVC locations, sending notifications only for relevant slots
- Reduced the wait time by **~88%** for high-demand REAL ID appointments relative to the typical 2-month backlog

**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%**

## LEADERSHIP

**Facilitator**                    May 2025 – Present
*Maryland Leadership Education and Development*                    *College Park, MD*

**Sexual Assault Prevention Peer Facilitator**                    Jan 2025 – Present
*University of Maryland, Department of Fraternity and Sorority Life*                    *College Park, MD*

**Diversity, Equity, and Inclusion Chair**                    Sep 2023 – Present
*Phi Gamma Delta Fraternity, Phi Deuteron Chapter*                    *College Park, MD*