

ISHAAN MAKHIJA

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EDUCATION

University of Maryland, College Park

Bachelor of Science in Computer Science, Minor in Statistics, GPA: 3.76

Aug 2022 – Dec 2025

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

- Integrating AI automation to streamline content management for a marketing platform serving financial advisors
- Developing a hybrid search tool leveraging BM25 and vector embeddings to retrieve relevant financial articles
- Building 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

Maryland Leadership Education and Development

May 2025 – Present

College Park, MD

Sexual Assault Prevention Peer Facilitator

University of Maryland, Department of Fraternity and Sorority Life

Jan 2025 – Present

College Park, MD

Diversity, Equity, and Inclusion Chair

Phi Gamma Delta Fraternity, Phi Deuteron Chapter

Sep 2023 – Present

College Park, MD