

# Moiz Uddin

240-550-5353 | [uddin.moiz@gmail.com](mailto:uddin.moiz@gmail.com) | [linkedin.com/in/ziomw/](https://linkedin.com/in/ziomw/) | [github.com/ziomw/](https://github.com/ziomw/) | [moizswebsite.vercel.app](https://moizswebsite.vercel.app)

## EDUCATION

<b>University of Maryland, College Park</b> <i>B.S. in Information Science, Dean's List — Beginning M.S. Fall 2026</i>	College Park, MD Aug. 2022 – May 2026
• Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Web Development, Statistics, Data Analytics, Information Systems, Internet Infrastructure, Database Design and Modeling.	

## EXPERIENCE

<b>Astound</b> <i>Software Engineering Intern</i>	May 2025 – Aug. 2025 Princeton, NJ
• Architected and deployed scalable competitive intelligence platform on GCP (Cloud Run, Cloud Storage) aggregating 14K+ reviews across 4 ISPs using Python, PRAW API, and Google Maps API with automated NLP sentiment analysis pipeline (VADER).	
• Developed full-stack review analytics dashboard with Python Flask backend and JavaScript/HTML/CSS frontend, processing Yext API and Google Maps API data to enable MoM performance tracking across 48 retail locations, achieving \$11K quarterly cost reduction.	
• Engineered automated web asset auditing system using Python and BeautifulSoup4 to crawl astound.com/learn domain, identifying 60+ image source inconsistencies and improving site integrity, reducing QA time by 75%.	
<b>Pelerei LLC</b> <i>AI Research Intern</i>	Aug. 2023 – May 2025 Jefferson, MD
• Trained and deployed GPT-4o chatbot for madelynblair.com using OpenAI API with custom fine-tuning on NLP-processed transcripts, serving 41K+ visitors and handling 2K contextual queries with 95% user satisfaction.	
• Built Python simulation framework modeling GenAI's impact on critical thinking across 400 students and 4 learning scenarios, demonstrating 33.6% performance improvement when combined with self-confidence interventions.	
• Implemented comprehensive SEO optimization including technical site architecture improvements, keyword and audience research, driving 348% YoY organic traffic growth and 22% improvement in conversion rates.	

## PROJECTS

<b>NFL Matchup Predictor</b>   <i>Python, scikit-learn, Pandas, NumPy, ML</i>	<a href="https://github.com/ziomw/AI-NFL-Predictor">github.com/ziomw/AI-NFL-Predictor</a>
• Engineered end-to-end ML pipeline predicting NFL outcomes with 71% accuracy across 5 seasons (1,280+ games), implementing Random Forest, Logistic Regression, and XGBoost classifiers with hyperparameter tuning via GridSearchCV; performed feature engineering on 25+ team statistics including offensive/defensive efficiency, turnover ratios, and historical matchup data.	
<b>TaskFlow</b>   <i>Python, Redis, Docker, REST API, Microservices</i>	<a href="https://github.com/ziomw/TaskFlow">github.com/ziomw/TaskFlow</a>
• Engineered a distributed task scheduling system with priority-based queueing using Python Flask, Redis, and Docker, enabling horizontal scalability across multiple worker nodes with automatic failover, retry mechanisms, and timeout handling to process asynchronous workloads reliably at scale.	

## CERTIFICATIONS AND AWARDS

<b>AWS Certified Cloud Practitioner</b>   <i>Cloud Computing, Infrastructure, Deployment</i>	Amazon Web Services
<b>Google AI Essentials</b>   <i>Artificial Intelligence, Generative AI, Responsible AI</i>	
<b>CyberPatriot Platinum Tier</b>   <i>National Top 200, Cybersecurity Competition</i>	
<b>Bethesda Friends of Agriculture Research Award</b>   <i>Data Analytics in Agriculture</i>	

## TECHNICAL SKILLS

<b>Languages:</b> Python, JavaScript, TypeScript, Java, C++, SQL, HTML/CSS, C, R, Bash, PowerShell
<b>Frameworks &amp; Libraries:</b> React, Node.js, Flask, scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, pytest, JUnit
<b>Tools &amp; Technologies:</b> Git, Docker, Kubernetes, AWS (EC2, S3, Lambda), GCP (Cloud Run, BigQuery), Linux, PowerBI, GitHub Actions, Jenkins, RStudio, Terraform, Kafka, Prometheus, Grafana, VSCode, LookerStudio, Tableau
<b>Databases:</b> MySQL, MongoDB, PostgreSQL, Redis, DynamoDB, Cloud Firestore, NoSQL
<b>Specializations:</b> Distributed Systems, Data Structures & Algorithms, Machine Learning, NLP, Deep Learning, REST APIs, Microservices, System Design