# Abdullah Ali

Tysons, VA | 570-397-0319 | U.S. Citizen
abdullahmehdiemail@gmail.com | linkedin.com/in/abdullah-ali | github.com/Abdullah-Mehdi | Portfolio

## EDUCATION

**George Mason University**                                                                 Fairfax, VA
*Bachelor of Science in Applied Computer Science, Software Engineering Concentration*        *Expected Dec. 2025*
**GPA:** 3.88 / 4.00

**Honors:** Dean's List (Fall 2023, Spring 2024, Fall 2024, Spring 2025), Phi Kappa Phi Honors Society

## EXPERIENCE

**Software Engineering Intern**                                                            May 2025 – Aug 2025
*MapLarge*                                                                              *Atlanta, GA (Remote)*
- Developed scalable backend services in TypeScript using SQL to query large-scale geospatial data for dashboard visualizations.
- Rebuilt legacy demo apps and implement framework-specific modules (Angular, React, Vue, Python) to modernize internal displays.

**Undergraduate Researcher**                                                              Sept 2024 – Dec 2025
*George Mason University*                                                                       *Fairfax, VA*
- Applied data mining techniques to analyze government policies on AI dataset collection across 9,000+ GitHub repositories.
- Researched and promoted ethical, open-source data usage for national and local AI applications.

**Undergraduate Teaching Assistant**                          Jan 2024 - May 2024, Jan 2025 - May 2025
*George Mason University*                                                                       *Fairfax, VA*
- Mentored 100+ students in core computer science concepts and authored 3 object-oriented programming assignments for the course.
- Clarified complex topics (e.g., polymorphism, inheritance, recursion) in office hours and review sessions for diverse student groups.

**Software Intern**                                                                        Mar 2022 – Sept 2023
*Techicon Inc.*                                                                                 *McLean, VA*
- Resolved 15+ critical system bugs and executed stress tests, improving application stability and performance under load.
- Analyzed government compliance software trends to inform product design and strategic direction.

## PROJECTS

**Asterism** | *Node.js, discord.js, SQLite, GraphQL API*                                        Summer 2025
- Developed and deployed a live Discord bot serving 20+ active users across 4+ communities, built with Node.js and discord.js. The bot polls the AniList GraphQL API for real-time activity, ensures data persistence with SQLite, and features a modern UX with slash commands.

**StudyEZ** | *React, Vite, MongoDB, Python, Flask, Gemini API*                                  Spring 2025
- Built a full-stack lecture assistant using AssemblyAI and Gemini API to automate transcription, summarization, and resource discovery from media.

**Code Rush** | *Java, JavaScript, SQL (MySQL), React, Docker*                                    Fall 2024
- Crafted a gamified coding platform for real-time competitive problem-solving to simulate technical interviews and enhance coding skills under pressure.

## AWARDS

**Outstanding Teaching Assistant Award** | *George Mason University*                              May 2024

## SKILLS

**Programming Languages**: Java, Python, C, JavaScript, TypeScript, Kotlin, HTML/CSS, LaTeX
**Databases**: SQL (MySQL, SQLite), NoSQL (MongoDB)
**Frameworks & Libraries**: React, Flask, JUnit, pandas, NumPy, OpenCV, MediaPipe, REST, GraphQL
**Developer Tools & Platforms**: Git/GitHub, Docker, JIRA, Amazon Web Services (AWS)
**Spoken Languages**: English (Native), Urdu (Fluent), Punjabi (Conversational), Hindko (Conversational), Pashto (Conversational)