Abdullah Ali

📖 Tysons, VA | 📞 570-397-019 | 🌐 U.S. Citizen
✉ abdullahmehdiemail@gmail.com 💼 LinkedIn/in/Abdullah-Ali | ○ GitHub/Abdullah-Mehdi

EDUCATION

George Maosn University - 3.88 GPA   Fairfax, VA
Bachelor of Science in Applied Computer Science, Software Engineering Concentration   *Feb. 2023 – Dec. 2025*
Dean's List: Fall 2023, Spring 2024, Fall 2024

Member: Phi Kappa Phi Honors Society

Courses Taken: Operating Systems, Analysis of Algorithms, Software Engineering, Object Oriented Software Design and Implementation, Software Testing and Maintenance, Application Development, Data Structures, Databases

EXPERIENCE

Undergraduate Research Assistant   September 2024 – Present
George Mason University   *Fairfax, VA*
- Conducted comprehensive analysis of national and local government policies on AI dataset collection, with a focus on open-source applications
- Demonstrated proficiency in data mining techniques using Python to extract valuable insights from GitHub repositories

Undergraduate Teaching Assistant   January 2024 - May 2024, January 2025 - Present
George Mason University   *Fairfax, VA*
- Honed advanced communication skills, effectively explaining complex technical concepts to diverse audiences
- Mentored students in fundamental and object oriented computer science principles, enhancing their comprehension and academic performance
- Wrote assignments for Object Oriented Software Design and Implementation to test students' understanding

Software Intern   March 2022 - September 2023
Techicon Inc.   *McLean, VA*
- Collaborated in an agile development environment, utilizing peer programming techniques to enhance software quality and team efficiency
- Identified and resolved critical system bugs, conducted comprehensive stress testing, and contributed to real-time documentation of system features
- Performed in-depth analysis of industry trends and gaps in government compliance software, providing valuable insights for product development

PROJECTS

StudyEZ | *React, Vite, MongoDB, Python, Flask, Axios, Gemini API*   Spring 2025
- Built a full-stack lecture assistant leveraging AssemblyAI and Gemini API to automate transcription, summarization, categorization, and resource discovery for uploaded audio/video content, presented via a React interface.

Code Rush | *Java, JavaScript, MySQL, ReactJS, Docker, Axios*   Fall 2024
- Crafted a gamified coding platform featuring real-time, competitive problem-solving. Users engage in head-to-head challenges or timed solo sessions, enhancing coding skills under pressure and simulating interview scenarios.

Fall Guys | *Python, OpenCV, MediaPipe, Numby, Twilio, ReactJS, JavaScript, Flask*   Spring 2024
- Developed an innovative fall detection system with a web-hosted user-friendly front-end interface, integrating computer vision technology to analyze camera input and trigger automated emergency response protocols

AWARDS

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

SKILLS

Programming Languages: Java, Python, C/C++, React, Kotlin, React, JavaScript, LaTeX, HTML/CSS
Frameworks: JUnit, Flask, Amazon Web Services
Developer Tools: Git/GitHub, Docker, JIRA, Visual Studio Code, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy
Languages: English, Urdu, Hindko, Punjabi, Pashto