Arghavan Noori

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EDUCATION

Mississippi Valley State University, Expected May 2026 — Itta Bena, MS
Bachelor of Computer Science
Minor: Mathematics and Business Administration

American University of Central Asia, August 2021 - May 2023 — Bishkek, Kyrgyzstan
Bachelor of Software Engineering

American University of Afghanistan, August 2020 - January 2022 — Kabul, Afghanistan
Bachelor of Information Technology

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Principles of Programming Languages, Programming I & II, Computer Architecture, Database Management Systems, Introduction to AI, Web Development, Discrete Structures, Analysis, Calculus, Financial Accounting, Principles of Marketing, Micro and Macro Economics

TECHNICAL SKILLS AND SOFTWARE PROFICIENCIES

Programming Languages: Swift • C++ • Python • Java • JavaScript • HTML5 • CSS • Ruby
Tools and Frameworks: Xcode • Git • Node.js • Angular.js • UIKit • REST APIs • MySQL • MongoDB
Testing and Debugging: Unit Testing • Performance Profiling • Critical Problem Solving
Core Competencies: IOS Development •Object-Oriented Design •Distributed Systems •API Design •Problem-solving •Teamwork • Software Architecture • Mobile Application Development • Technical Documentation

PROJECT EXPERIENCE

EchoMind Chat Bot: Swift | UIKit | iOS | Xcode
Engineered an iOS chat application using Swift and UIKit, implementing clean architecture principles for maintainable, scalable code.

- Designed RESTful API integration for real-time data processing and response generation
- Optimized app performance through efficient memory management and caching strategies
- Implemented multi-threading for smooth UI responsiveness during backend operations

Breeze Cast Weather App: Java | JavaFX | OpenWeatherMap API | JSON
Developed a scalable weather application utilizing distributed system concepts for real-time data processing.

- Implemented sophisticated caching mechanisms reducing API calls by 60% and improving response times
- Designed modular architecture following SOLID principles for enhanced maintainability
- Created comprehensive API documentation and technical specifications

Element Quiz Game: Swift | UIKit | Xcode
Built an interactive iOS learning application using Swift and UIKit, focusing on performance optimization

- Implemented image creation and display and utilized the single-path UI update for efficient UI management in Swift
- Integrated keyboard input functionality and alert display with user interaction using Swift and IOS frameworks
- Exploring plans to incorporate AR features to enhance the learning experience through 3D element visualization using ARKit

WORK EXPERIENCE

Mississippi Valley State University — September 2024 - November 2024 — Itta Bena, MS
Software Engineering Intern

- Architected and implemented a distributed Python-based notification system using distributed computing principles, improving student engagement by 45%
- Led full-stack development for the international student office website using HTML, CSS, and JavaScript, resulting in a 40% improvement in user satisfaction and mobile engagement.
- Developed comprehensive API documentation and technical specifications for system integration

Heray Paint Company — Feb 2020 – Sep 2020 — Herat, Afghanistan
Technical Support

- Collaborated with the IT team to implement a new database system, reducing data entry errors by 10% through enhanced accuracy and streamlined processes.
- Developed responsive web interface using modern HTML5/CSS3 features, increasing mobile engagement by 15%
- Created technical documentation and user guides for internal systems achieving a 90% user satisfaction rate

ACTIVITIES & AWARDS

President of the Girls Who Code College Loop, Mississippi Valley State University • Vice President of Women in Science and Technology (WIST) Organization, MVSU • Supported diversity in technology as a member of UNHCR-WASA projects • Participated in the "Reimagining the University for the 3RD Millennium" hackathon • President's List; 2024