Kushal Bhattarai

(+1) 318-605-1286 Monroe, LA bhattaraiku@warhawks.ulm.edu LinkedIn

SUMMARY

Results-driven Computer Science student with expertise in Python, Java, and object-oriented programming. Experienced in software development, research, and leadership with a strong ability to solve real-world challenges efficiently. Recognized for academic excellence and leadership in research and student organizations. Seeking opportunities in software engineering, artificial intelligence, or research roles to apply technical expertise and innovation.

EDUCATION

University of Louisiana at Monroe(ULM) | Bachelor in Computer Science   August 2027
Relevant Coursework: Python, Data Structure, Calculus, Statistics, Algorithms,   3.95
                                          Advance Discrete Mathematics, Macroeconomic
Honors & Awards: First Place at ULM Research Symposium 2024

PROJECTS

Time Wizard | Python
- Developed a Python-based application to calculate time differences and perform operations on time
- Implemented key OOP concepts such as encapsulation and inheritance for better code structure and reusability
- Ensured efficient time manipulation, handling edge cases like AM/PM conversions and day rollovers

Mind Matcher | Java
- Developed an interactive number-guessing game where the user competes against the computer to guess a number
- Utilized Java inheritance and OOP principles to structure the game logic, making the code modular and scalable
- Developed a system where users get three attempts to guess a number before the computer wins.
- Focused on user-friendly input validation, and efficient game mechanics for a smooth gaming experience

RoboStack | Java
- Developed a simulated environment to manipulate and organize labeled blocks using stack-based data structures.
- Implemented command-based operations to move, discard, and retrieve blocks while maintaining pile integrity.
- Designed an optimized stack representation to accurately display the state of both piles without altering their order.

EXPERIENCES & LEADERSHIP

Emerging Research Scholar | Dr. Daniel Hummel Research Lab | ULM   Aug 2023- Present
- Conducted primary and secondary research, and authored a research paper exploring the challenge of free speech in classrooms.
- Analyzed the survey data using statistical methods to create charts and bar graphs for the data visualization.
- Presented research at SECoPA 2024 Annual Conference and ULM Research Symposium 2024.

Freshman Representative | Nepali Students Association(NSA)   Aug 2023 - May 2024
- Elected as a freshman representative; Represented 100+ undergraduate Nepali students.
- Participated in 1-1 mentoring of board members; active member of the NSA board for program coordination.
- Planned and conducted 4 different events in collaboration with Student affairs.

Youth Council Mayor | Madhyabindu Municipality   March 2022 - May 2023
- Trained 50+ youths on drug addiction awareness, focusing on prevention and recovery strategies.
- Collaborated with local stakeholders to deliver workshops improving literacy and promoting continuing education
- Led interactive sessions on parliamentary system, simplifying complex democratic processes for easy understanding

SKILLS & INTERESTS

Programming/Data   Python, Java, HTML, CSS, JavaScript, Node.Js

Tools & Technologies   SPSS, Microsoft Excel, Git/GitHub
 Interests   Web development, Artificial Intelligence, Machine Learning

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REFERENCES

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