AKSHITA AKUMALLA

Email: akshita.akumalla@gmail.com   Phone Number: (949)-899-7675   LinkedIn: @akshita-akumalla

EDUCATION

University of California, Irvine   (Fall 2021- Expected March 2025)
    B.S Computer Science | Current GPA: 3.6

<u>Coursework:</u> Data Structures & Algorithms, Computer Organization, Discrete Mathematics. APIs, Computational Statistics, Artificial Intelligence and Machine Learning, OOPS, Principles in System Design, Operating Systems, Data Management, Software Engineering, User Interaction Software

SKILLS

Programming Languages: C, C++, Java, Python, HTML, CSS, JavaScript, MIPS Assembly Language, MySQL

Operating Systems: Mac OS, Windows, Unix/Linux

Software: Eclipse, Visual Studio, IDLE (Python Shell Script), Git
Other: Requirements Documentation and Analysis

EXPERIENCE

- **Coding Minds Academy | Coding Instructor**   (March 2023 – present)
    - Teach Java, Python, HTML/CSS, C++, and introductory Computer Science concepts for grades K through 12 students.
    - Lead classes in OOPS and Data Structures in C++ and Java and Web Development Project Classes in CSS
    - Create curriculum to fit student's needs, involving coding projects with real-world applications.

PROJECTS

- **Sudoku AI** | Python   (Winter 2023)
    - Developed an AI program that solves Sudoku boards with Constraint Propagation and AI heuristics
    - Utilizes optimal backtracking and alpha-beta pruning for a faster solution
- **Text Editor |** C++   (Spring 2022)
    - Created a Linux terminal-based text editor with cursor tracking, undo/redo, and other features
- **Geo-coding Air Quality Index** | Python   (Fall 2021)
    - Built a shell-based command operator that determines the Air-Quality index of a location within given range and threshold
    - Utilizes Web APIs (Nominatim API and Purple Air) and Network Protocols to perform forward and reverse geo-coding

ACTIVITIES

- **ICS Student Council | Corporate Committee**   (Fall 2022-)
    - Create sponsorship proposals, organize fundraisers, and work with companies for campus events
- **New University- Campus Newspaper | Media Intern**   **(**Fall 2023-)
    - Work with writers and editors to promote the newspaper on campus through social media and outreach events
- **UCI Anthology – Yearbook | Writing Intern**   (Fall 2023-)
    - Write stories and interview staff and students on campus events and university life for UCI's Yearbook
- **UCI HyperXite | Outreach Coordinator**   (Spring 2022-Summer 2023)
    - Create sponsorship proposals, organize fundraisers and social media for UCI HyperXite, UCI Hyperloop team