**Balmiki R. Padhyaya**

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San Marcos, TX 78666

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| **EDUCATION** |

**Texas State University** Expected Dec 2025

Bachelor of Science in Computer Science San Marcos, TX

**Overall GPA:** 4.00 / 4.00 | **Major GPA:** 4.00 / 4.00

**Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Computer Architecture

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| **RELEVANT EXPERIENCE** |

**Texas State- Colorado University Sloan Undergraduate Research** Jun 2023 – Aug 2023

*Research Intern* San Marcos, TX

* Improved complex structural simulation application called Ratel using machine learning.
* Investigated Ratel's efficiency by profiling its interaction with NVIDIA V100 GPUs.
* Developed visual representations of GPU counters for Ratel, utilizing the Dashing framework.
* Trained in end-to-end data analysis, including feature engineering, analysis, and visualization.

**Undergraduate Instructional Assistant (UGIA), Texas State University**  Jan 2022 – May 2023

*Lab Instructor* San Marcos, TX

* Instructed Algebra Based Mechanics and Thermodynamic physics labs.
* Configured installation of software required for physics lab under the direction of lab coordinators.
* Supervised students’ lab groups and graded their assignments and lab reports.

**Texas State Computer Science Department**  Aug 2023 – Present

*CS Grader* San Marcos, TX

* Graded 55 exams and projects for CS 1308.
* Helped students on assignments and gave feedback accordingly.
* Provided students with weekly progress notes, setting learning objectives and tracking growth.
* Facilitated weekly meetings for students to work through competitive programming style questions.

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| **PROJECTS** |

**Personal Portfolio Website** [***PORTFOLIO***](https://balmiki4.github.io/Portfol/)

* Designed and developed a responsive personal portfolio website using HTML, CSS and JavaScript.
* Implemented view customization modes, including dark, light, and dim mode, and adjustable font sizes.

**Book Store Project**

* Created a bookstore inventory system with real-time product search and availability tracking.
* Designed an automated sales system for accurate inventory management.

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| **TECHNICAL SKILLS** |

**Languages:** Experienced in C, C++, Python. Familiar with C#, Java, HTML/CSS, and Javascript.

**Other Frameworks & Technologies:** Linux, Git/GitHub, React, MongoDB.

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| **HONORS & DISTINCTIONS** |

**Dean’s List (3 of 3 semesters):** Awarded to students with above a 3.5 GPA in a given semester.

**Texas State Achievement scholarship:** for students with >3.8 GPA overall and top 6% of graduating class.

**Stelos Scholar:** A program for young leaders selected among the university’s most ambitious students.