

Balmiki R. Padhyaya

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EDUCATION

Texas State University

Bachelor of Science in Computer Science

Expected Dec 2025

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

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.

PROJECTS

Personal Portfolio Website [PORTFOLIO](#)

- 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.

TECHNICAL SKILLS

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

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

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.