

# SEHAJDEEP SINGH BAL

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## Education

**Bachelor of Science:** Electrical And Computer Engineering , Expected in 05/2026

**University of Arizona** - Tucson, AZ

- Additional minors- Physics
- Major GPA - 4.0
- Current Cumulative GPA - 3.865

## Skills

- C
- C++
- Verilog
- Python
- MATLAB
- GitHub
- Problem-Solving Skills
- Creative Thinking
- Communication
- Communication

## Professional Experience

**Undergraduate Lab/Teaching Assistant, ECE 275(C++), 09/2023 to Current**

**University Of Arizona, Dr. Ratchaneekorn Thamvichai** – Tucson, AZ

- Helped 75+ students with C++ programming assignments during Office hours. Usually involving debugging, laying out the approach to a problem.
- Checked programming assignments, proctored and graded tests, attended lectures.

**Undergraduate Research Assistant, 01/2024 to Current**

**University Of Arizona, Dr. Ali Akoglu** – Tucson, AZ

- CEDR-API: Explore how combining strengths of both HPC, known for its raw processing power, and reconfigurable computing, prized for its flexibility and adaptability, can lead to significant performance improvements across various application domains.

**Undergraduate Lab/Teaching Assistant, ECE 175 (C), 09/2023 to 12/2023**

**University Of Arizona, Dr. Ratchaneekorn Thamvichai** – Tucson, AZ

- Helped 80+ students with debugging and conceptual understanding during the weekly lab sessions. (C programming)
- Checked programming assignments, proctored/graded tests, did exam review of the class material before exams.

**Supplemental Instruction Leader, Math 120R(Precalc), 09/2023 to 12/2023**

**Think Tank, University Of Arizona** – Tucson, AZ

- Assist many students with reviewing pre- calculus course material and improving comprehension by leading supplemental instruction sessions.

## Accomplishments

- Deans List - Fall 2022, Spring 2023, Deans List with Distinction - Fall 2023.
- Recipient of the Global Wildcat Award of \$22,000 per year for excellent academic record from the University of Arizona, the highest scholarship amount the University offers to international students.
- Placed in the 99th percentile for SAT having scored 1510/1600.
- Awarded multiple certificates, including a certificate from the municipal commissioner of Pune, for selfless community service.