

SHLOK BAIRAGI

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Education:

Purdue University

Bachelor of Science in Computer Science; Sophomore year, GPA - 3.31

West Lafayette, IN
August 2022- May 2026 (expected)

SSVM World School

Grade 11-12; Final grade - 87.6%

Tamil Nadu, India
June 2020- May 2022

Wisdom World School

Grade 2-10; Final grade - 97.2%

Maharashtra, India
June 2011- May 2020

Professional Experience:

IT Intern, ARGO-HYTOS Inc., OH, USA

May 2023 – Present

- Gained basic insights into manufacturing operations, focusing on fluid motion control and filtration, and understood collaboration among departments like Production, Quality, Warehouse, IT, and Finance to achieve business goals.
- Designed, developed, and implemented comprehensive IT solutions to streamline data entry, extraction, and automate daily operations. This included deploying front-end user forms in MS Access for efficient product setup, and integrating VBA, Excel, and SQL to auto-generate and validate product data. Enhanced data integrity by incorporating features for adding and modifying database entries, following validation and creating dynamic printing views to support seamless data retrieval and operational workflow.

Teaching Assistant, CS Bridge Program, Purdue University, West Lafayette, IN

August 2023

- Assisted and taught incoming freshmen to help them understand the basics of computer science at Purdue.
- Hosted numerous lab sessions within a period of two weeks to help students with coding assignments.

Project and Website Experience:

Market-Place Application, Purdue University, West Lafayette, IN

October 2022 – December 2022

- Group project in Java for class, Problem Solving and Object-Oriented Programming
- Created a platform for customers and sellers to buy/sell items in real time using GUIs.

Item Recognition App, Purdue University, West Lafayette, IN

September 2022

- Successfully completed during Freshman Hackathon 'Hello World 2022'
- Created an app using OpenCV and AWS to recognize various everyday objects.

The Data Mine, Purdue University, West Lafayette, IN

August 2022 – December 2022

- Project with USDA Forest Services

PC Building Simulator, India

November 2021 – February 2022

- Successfully completed as part of a graded project in grade 12
- Created a Python and SQL application to help users build their desired pcs.

CSRMATCH, India

August 2021 – July 2023

- www.csrmatch.in

Conceptualized a website that connects people who need help, from non - profit organizations to individuals, with companies and philanthropic people who can support them. This was a personal humble attempt to touch lives and try to make a difference.

Related University Coursework:

- Systems Programming
- Problem Solving and Object-Oriented Programming
- OS (Operating Software)
- Programming in C
- Foundations of Computer Science
- Computer Architecture
- Data Structures

Leadership Experience:

- Prefect of Discipline and Grooming - The student representative of Wisdom World School for the academic year 2019-2020.
- Captain and goalkeeper of the school's soccer team, Wisdom World School.
- Successfully led and completed Food-stall project thereby learning commercial application concept of how to run a small business including profit, cash management, resource management and cost control.

Skills:

Computer skills:

- Proficient in Programming Languages: Java, Python, C, C++, R, SQL and Visual Basic for Applications
- Proficient in Developer Tools: IntelliJ, PyCharm, Jupyter, Terminal, Git, MySQL, MS Access and SAP

Leadership skills | Interpersonal skills | Team player | Strong communication skills | Creative skills through dramatics, singing, acting.