

Suraj Rajesh Bhardwaj

surajrbhardwaj@yahoo.com | 609-665-7633 | Princeton, New Jersey

Education

New Jersey Institute of Technology Albert Dorman's Honors College

Class of 2026

B.S. Computer Science | Minor in Innovation and Entrepreneurship | Minor in Data Analytics

Cumulative GPA: 3.86

Experience

<https://www.linkedin.com/in/xxsurajbxx/>

Undergraduate Researcher

2023 May-Present

- Worked with A.I. Technologies to experimentally determine the optimal machine learning algorithm to estimate gait phase using data collected from 3 inertial measurement unit sensors.
- Used Sklearn python library to train and test a machine learning model.
- Manipulated data for use by the machine learning model.

VarsityTutors Online Tutor

2023 June-Present

- Certified to teach SAT, Python, Java, Physics, and Math
- Connected with students to ensure emotional as well as academic wellbeing.
- Worked with parents to quell any concerns regarding their children's academic performance.

Codeucate Volunteer Teacher

2020-2021

- Educated children on concepts in multiple programming languages (including java and python).
 - Engaged multiple students at once aging 8-13 through a virtual platform.
 - Followed an extensive curriculum through the course of 4 week.
-

20+ Personal Projects

<https://github.com/xxsurajbxx>

Resume Website

- Made a responsive and visually appealing website populated with information from my resume and more detail, hosted at <https://web.njit.edu/~srb34/>

Tee Time Booker

- Bot that books tee times from the local country club instantly so that my father and I can play golf at the course we want whenever we please.
- Written in Python, the program uses API calls and Selenium to interface with the tee time booking website.

3D Engine V2

- Renders, displays, and rotates any shape with lighting effects from vertex data.
- Utilized various mathematical equations in order to make my own proprietary graphics engine.

Makefile Interpreter

- Reads and interprets a makefile to automate the compilation, linking, and execution of projects.
 - Uses text processing and file handling.
 - Written in C++, required understanding of windows shell scripting.
-

Skills

Technical Skills: C++, Python, Java, HTML, CSS, PHP, SQL, JS, JSON, BASH, object-oriented programming, and windows programming

Soft Skills: Leadership, Collaboration, Teamwork, Patience, and Quick Learner

Relevant Coursework

Roadmap to Computing, Intro to Computer Science I & II, Programming Language Concepts, Database System Design & Management, Intensive Programming in Linux