

Vishrut Tiwari

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EDUCATION

Columbia University (3+2 Program)

B.S in Computer Science

New York City, NY

Aug 2021 - May 2023

Bard College | GPA: 3.88

B.A in Mathematics

Annandale-On-Hudson, NY

Aug 2018 - May 2021

Honors: Distinguished Scientist Award, Scholar-Athlete of the Year, and Dean's List

Coursework Data Structures, Design of Programming Languages, Computer Systems, Advanced Computer Vision, Scientific Computing, Econometrics, Partial Differential Equations, and Advance Calculus

TECHNICAL SKILLS

Programming Languages:

Proficient: Java

Worked with: JavaScript, Python, and C

Libraries and Frameworks: React.js, Node.js, and MongoDB

EXPERIENCE

Crestron Electronics

Remote

Software Engineering Intern

Jun 2021 - Aug 2021

- Built a CI/CD pipeline for touch panels that control room settings using Docker and Jenkins
- Caught major and minor bugs through writing 250 Python scripts for the panels
- Rotated teams with sales and development to understand client expectations

Bard College Nano and Micro Labs

Annandale-On-Hudson, NY

Undergraduate Researcher

Sep 2018 - Jun 2021

- 3D printed microstructures to be used in circuits and commercial equipment
- Mapped 2D images to 3D images using Python to convert 2D data to 3D point clouds
- Improved precision of printing by 35% through visualizing flaws in mapped models

Innovation Club

Annandale-On-Hudson, NY

President and Founder

Oct 2018 - May 2021

- Created a group with 15 team members working on projects that innovate campus life
- Created a food funnel machine using Arduino and a robotic arm to sort snacks in addition to brainstorming a mental wellness site that helps those with chronic depression

PROJECTS

DiviUP

Jul 2021 - Aug 2021

- Created a web app to help long term investors in the face of "getting rich quick" investing research a stock's historic performance and value using React.js and JavaScript

Tutoring App

Feb 2021 - June 2021

- Built an application to unify Bard College's tutoring system used by over 75 students and created with MongoDB, Node.js and JS to store and display student data while providing authorized access

JEV

Mar 2020 - May 2020

- Made a text editor that operates in the terminal on Macs and Windows using C including syntax highlighting, searching, and personalized messages

Beer Pong in AR

Apr 2019 - May 2019

- Created a multiplayer game in 3D Augmented Reality with camera and web browser compatibility using JavaScript and Three.js