

Vishrut Tiwari

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EDUCATION

Combined Bachelor Program (3+2 program)

Columbia University | GPA: 3.66

B.S in Computer Science

Honors: Dean's List

New York City, NY

Aug 2021 - May 2023

Bard College

B.A in Mathematics | GPA: 3.88

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

Annandale-On-Hudson, NY

Aug 2018 - May 2021

Coursework: Data Structures, Databases, UI Design, Computer Systems, Programming Languages and Translators, Advanced Computer Vision, AI, Partial Differential Equations, and Advance Calculus

TECHNICAL SKILLS

Languages and Libraries: Java, JavaScript, Python, React Native, React.js, Node.js, SQL, and MongoDB

EXPERIENCE

illumina

Software Engineering Intern

- Delivered gene sequencing data to bioinformatics team from data warehouse
- Maintained ETL pipelines using Snowflake, Golang scripts, and SQL queries
- Used Tableau to present data analytics regarding turn around time of genomic samples

San Diego, CA

May 2022 - Present

Opal Wearables

Full-Stack Intern

- Created UI/UX wireframes for a jewellery-based safety app using Figma
- Implemented a MVP on IOS using React Native with Bluetooth integration to phones
- Manged user authentication and data with Firebase

New York City, NY

Sep 2021 - May 2022

Crestron Electronics

Software Engineering Intern

- 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

Remote

Jun 2021 - Aug 2021

Bard College Nano and Micro Labs

Undergraduate Researcher

- 3D printed microstructures to be used in circuits and commercial equipment
- Mapped 2D images to 3D point clouds using Python for accurate vizualizations of structures

Annandale-On-Hudson, NY

Sep 2018 - Jun 2021

Innovation Club

President and Founder

- Created a group with 15 team members working on projects that innovate campus life

Annandale-On-Hudson, NY

Oct 2018 - May 2021

PROJECTS

DiviUP

- 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

Jul 2021 - Aug 2021

Tutoring App

- 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

Feb 2021 - June 2021