

# Chirag Bhardwaj

[chirag-bhardwaj.github.io](https://chirag-bhardwaj.github.io) | [linkedin.com/in/chirag-bhardwaj-976a921b4](https://linkedin.com/in/chirag-bhardwaj-976a921b4) | [github.com/Chirag-Bhardwaj](https://github.com/Chirag-Bhardwaj)

## EDUCATION

### University of Wisconsin — Madison

Madison, WI

*Bachelor's of Science in Computer Science*

*Aug. 2020 – May 2024*

- Dean's List
- President of the Undergraduate Projects Laboratory.
- Golden Brick Award.

## EXPERIENCE

### Software Engineering Intern

June 2023 – August 2023

*UL Solutions*

*Northbrook, IL*

- Worked on a Protecode automation API tool using python to automate more than 100,000 CVE scans for UL certified products.
- Added the functionality for fetching, reading, and writing Protecode scan results from Synopsys.
- Made the Web App for document automation using React JS.
- Created dynamically loading pages for selecting Product codes, Sections, and Clauses.
- Enabled the team to create the final document using a single click and download it as pdf.

### Transformation Intern

June 2022 – August 2022

*UL Solutions*

*Northbrook, IL*

- Helped clean up the data for transformation from IQ beta to IQ production database.
- Helped the team to find lost records and certificates for over 1,500 products.

### Teaching Assistant: Calculus-II

December 2021 – May 2023

*University of Wisconsin — Madison*

*Madison, WI*

- Holding regular office hours for calculus-II. Helping over 500 students enrolled in Math 222 at UW-Madison.
- Conducting group mentoring sessions every week.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Bash

**Frameworks:** React, React JS, Node.js, JUnit, Bootstrap, Flask

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, CLion

**Operating Systems:** Mac, Windows, Unix/Linux

## PROJECTS

### SmartJournal.ai | *Python, Flask, NLP*

- \* An AI-powered journal that tracks utilizes VADER Sentiment Analysis to assign happiness points.
- \* Allows you to track your happiness weekly, monthly, and yearly.
- \* Natural Language Processing to tokenize each journal entry.

### Lab Count | *Python, OpenCV, Machine Learning*

- \* Provides live updates on the number of people in the Undergraduate Projects Lab using OpenCV.
- \* Identifies the humans that cross the prediction barrier and updates the live number of people inside the lab.
- \* Assists the frequent lab goers to check when the lab is open conveniently.

### Pineapple Payment | *NextJS, Stripe*

- \* A fully functional and secure payment gateway prototype to sell Pineapples.
- \* Allows the user to set the number of Pineapples they want to buy.
- \* Accepts all major credit cards.

### Chirag Coin | *Java, SHA-256, Blockchain*

- \* A simple and secure blockchain made using the SHA-256 protocol.
- \* Uses the previous coin's hash, data, and the current timestamp for generating the new coin's hashcode.