

# Aakarsh Kaushal

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## EDUCATION

### Northeastern University, Boston

September 2022 - Present

- BS Computer Science, concentration in Software
- Cumulative GPA: 3.87/4.00 | Major GPA: 4.0/4.0 | Dean's List (all semesters)
- Relevant Coursework: Object Oriented Design, Algorithms & Data Structures, Computer Systems, Networks and Distributed Systems, Foundations of Cybersecurity, Logic and Computation, Mathematics of Data Models

Expected: May 2026

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, C++, HTML, CSS, SQL, Dart, C, Swift

**Frameworks and Libraries:** Frontend: React.js, JQuery, Bootstrap, Flutter, SwiftUI | Backend: Node.js, Flask, Express.js |

Machine Learning: PyTorch | Data Analysis: NumPy, Pandas, Matplotlib | Database Management: MySQL, MongoDB |

**DevOps & Cloud Technologies:** Jenkins, AWS EC2, Docker, Kubernetes, ArgoCD

**Other Technical Skills:** Version Control: Git | OS: Linux, Mac OS, Windows | Content Management: WordPress

## EXPERIENCE

### Code4Good

July 2020 - Present

Founder and Developer

Karnal, India

- Developed 10 sites, reaching 16.5M across 11 districts; created RT-PCR portals hosting over 3M reports, simplifying access for isolated patients.
- Designed critical real-time dashboards for COVID bed availability and caseload, aiding in resource allocation.
- Honored with the Prime Minister's National Child Award for the Code4Good project, India's highest honor for youth.

### Northeastern University

September 2023 - December 2023

Teaching Assistant for CS 2500

Boston, MA

- Contributed to curriculum development and lesson planning for CS 2500, elevating course material delivery.
- Provided support and troubleshooting for students, enhancing problem-solving skills and course comprehension.
- Managed grading, and fostered agile learning through discussions and activities for 30+ students.

### Fitterfly

October 2021 - February 2022

Front End Web Developer Intern

Mumbai, India

- Gained proficiency in HTML, CSS, and AJAX in a startup setting and enhanced 10+ pages.
- Played a key role in developing a cloud-based real-time fitness dashboard in a dynamic startup.
- Contributed to diverse projects, and learned to work collaboratively within a team in a fast-paced startup setting.

## PROJECTS

**Guess The Password** | [Project Website](#) | (React, Node, Express, OpenAI API)

January 2024

- Innovated an engaging game challenging users to deduce a modified seven-digit password, leveraging AI-driven insights.
- Integrated OpenAI's GPT-4 model to respond to user queries, enhancing the interactive gaming experience.
- Designed a user-friendly interface with dynamic question-and-answer capabilities, with immersive and intuitive gameplay.

**GymSync** | [Project Website](#) | (React, Node, Express, MongoDB)

December 2023

- Developed a user-centric web application for a workout dashboard, featuring intuitive interface design.
- Implemented real-time editing features for workouts and exercises, enhancing user interaction and data management.
- Innovated a workout-sharing feature, enabling users to share their fitness routines with others, fostering engagement.

**Website Revamp Project** | [Project Website](#) | (Javascript, WordPress, HTML, CSS)

July 2023 - August 2023

- Revamped lifecarekarnal.com, adding new features, enhancing UX, and boosting content reach by 25%.
- Implemented SEO strategies, achieving a first-page Google ranking, and boosting visitor traffic by 60%.
- Elevated PageSpeed scores from 30s to 90s, tripling site performance and engagement on mobile/desktop.

**Gencrypt** | [Project Website](#) | (Flask, HTML, CSS)

June 2023 - July 2023

- Engineered Gencrypt, a tailored encryption-decryption platform, enhancing user privacy and data protection.
- Introduced a flexible algorithmic configuration, allowing users to customize their encryption and decryption settings.
- Automated the generation of unique decryption keys, providing an added layer of security and user control.

**COVID-19 Patient Monitoring System** | (Google Sheets, Google Apps Script)

March 2021 - March 2022

- Architected an automated COVID-19 patient monitoring system, endorsed by city authorities, aiding 10,000+ patients.
- Collaborated with 200 medical students and physicians, integrating multidisciplinary inputs for effective monitoring.
- Engineered a color-coded alert system in Google Sheets for timely interventions, which helped save many lives.

## AWARDS & HONORS

- Pradhan Mantri Rashtriya Bal Puraskar (Prime Minister's National Child Award) 2022, India's highest honor for youth, akin to a US Presidential scholar, awarded annually to a select few for exceptional achievements and contributions.
- Independence Day 2022 Award by the Governor of Haryana
- Young India Achievers' 2021 Award
- Dean's List at Khoury College of Computer Science (all semesters)
- AP Scholar with Distinction 2021