

# Rishikesh Kanabar

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## EDUCATION

### Northeastern University

Boston, MA

*Bachelor of Science in Computer Science and Mathematics (Hons.)*

Sep 2022 – May 2026

**GPA:** 3.98/4.00

**Relevant Coursework:** Algorithm and Data, Object-Oriented Design, Theory of Computation, Logic and Computation, Introduction to Computer Science Research, Linear Algebra, Calculus 3, Statistics and Stochastics Processes, Fundamentals of Computer Science I/II (Accelerated)

**Grader:** Calculus 3

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, Rust, SQL

**Frameworks:** React, Next.js, Node.js, Express.js, Prisma, Tailwind, Jest

**Databases:** MySQL, PostgreSQL, MongoDB

**Tools:** Git, Docker, GitHub Actions, Postman, Linux, Bash, CI/CD

## EXPERIENCES

### Software Developer

Sep 2023 – Present

*Sandbox at Northeastern*

*Boston, MA*

- Developing a full-stack application for the College of Arts, Media, and Design at Northeastern to collect, aggregate and visualize faculty involvement data for 100+ faculty members.
- Utilizing Next.js, Prisma and Postgres for developing the REST API endpoints and integrating serverless functionality along with NextAuth for user authorization and authentication.
- Collaborating with a cross-functional team for standup meetings, code review, and application optimization.

### Software Developer

Mar 2021 – Apr 2021

*Omnino Solutions*

*Mumbai, MH, India*

- Developed an end-to-end automation pipeline that streamlined life insurance policy management, resulting in a 35% reduction in manual data entry tasks and significantly improved data accuracy for over 10,000 policy records.
- Designed and implemented a cutting-edge Python-based OCR system, achieving an impressive 98% accuracy rate in extracting critical information from national identification cards, accelerating the customer onboarding process.
- Conducted rigorous unit testing and seamlessly integrated the developed solutions into the production environment.

### Project Lead

May 2020 – Oct 2020

*Collegey*

*Mumbai, MH, India*

- Spearheaded a team of three developers in the successful creation and deployment of a full-stack website for COVID-19 diagnosis based on chest X-rays, achieving a 91% accuracy rate in identifying potential cases.
- Leveraged the VGG-16 architecture in TensorFlow to implement an accurate diagnostic model with an impressive F1 score of 0.91, seamlessly deploying the model as a web application through the Django framework.
- Established dialogue with 15+ medical practitioners to gather critical clinical feedback on the end product.

## PROEJCTS

**SimuTrade** | *Express.js, Docker, Prisma, Postgres, JWT, TypeScript*

June 2023

- Developed a robust RESTful API for managing and trading simulated stocks and portfolios.
- Containerized the application using Docker, streamlining future deployment and scalability.
- Implemented JWT-based security for data integrity and user privacy.

**ShrinkIt** | *React, Express.js, Node.js, MongoDB, TypeScript, ChakraUI, Tailwind*

Aug 2023

- Developed a high-performance URL shortening application, using the MERN stack.
- Utilized TypeScript to enhance code quality, maintainability, and ensure a type-safe development environment.
- Designed an intuitive user interface with ChakraUI, offering a responsive and user-friendly experience.

**Premiere League Dataset** | *Selenium, BeautifulSoup4*

Sep 2020

- Created an efficient Selenium-based web scraper to compile English Premier League player statistics
- Released the dataset for public use, receiving 17,000+ views and 2,000+ downloads.
- Facilitated in-depth exploratory data analysis of soccer player statistics within the sporting community.