

# 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:** Algorithms and Data, Object-Oriented Design, Theory of Computation, Linear Algebra, Calculus 3, Statistics and Stochastics Processes, Fundamentals of Computer Science I/II (Accelerated)

**Course Assistant:** Calculus 3

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, JavaScript, TypeScript, Rust, HTML/CSS

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

**Databases:** MySQL, PostgreSQL, MongoDB, Firebase, Supabase

**Tools:** Git, Docker, GitHub Actions, Postman, Linux, Shell, 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 building the REST API endpoints and integrating serverless functionality along with NextAuth for user authorization and authentication.
- Collaborating with an agile team for weekly standup meetings, code review, and application optimization.

### Software Developer

Mar 2021 – Apr 2021

*Omnino Solutions*

*Mumbai, MH, India*

- Engineered 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 a 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

*Collegay*

*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 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.

## PROJECTS

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

Sep 2023

- Built a robust RESTful API for managing and trading simulated stocks and portfolios.
- Containerized the application using Docker, streamlining future deployment and integration.
- 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, utilizing the MERN stack.
- Benchmarked to handle an average of 1.5K+ requests per second, ensuring performance and scalability.
- 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.
- Published the dataset for public use, receiving 17K+ views and 2.5K+ downloads.
- Facilitated in-depth exploratory data analysis of soccer player statistics within the sporting community.