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, Linear Algebra, Calculus 3, Statistics and Stochastics Processes, Fundamentals of Computer Science I/II (Accelerated)
Course Assistant: 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 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
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 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, using 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.