Raj Laskar Boston, MA | [Email](mailto:%20laskar.r@northeastern.edu)| +1617-212-8295| [LinkedIn](https://www.linkedin.com/in/raj1010/) | [GitHub](http://github.com/RajLaskar10)

**OBJECTIVE**

I am pursuing an MS in Computer Science at Northeastern University, Boston, focusing on Data Structures, Algorithms, AI & advanced

computer science concepts to evolve as a Software Engineer and devise innovative systems. My long-term goal is to become a leader in

the tech industry, driving innovation and transformative change.

# EDUCATION

**Northeastern University,** Boston, MA, **GPA:** **4.0/4.0 Expected May 2026**

*Master of Science in Computer Science*

**Dwarkadas J. Sanghvi College of Engineering,** Mumbai, India, **GPA:** **8.84/10 Jun 2017 -** **Jul 2021**

*Bachelor of Engineering in Computer Engineering*

# SKILLS

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| --- | --- |
| **Programming**: C, C++, C#, Python, R, Java, JavaScript | **Database Systems**: MySQL, PostgreSQL, Microsoft SQL Server |
| **Cloud DevOps**: AWS, Azure, Jenkins, Azure DevOps, Docker, Kubernetes | **Web Technologies**: HTML, CSS, JavaScript, Spring Boot, ReactJs |
| **Developer Tools**: IntelliJ, VS Code, Microsoft Office | **Others**: Git, Junit, Web services, Open source, Cloud Computing, Spark |

# PROFESSIONAL EXPERIENCE

**EY |**Mumbai, Maharashtra, India **Jul 2023 – May 2024**

**Consultant**

* Built a chatbot with Power Virtual Agent, integrating Azure OpenAI GPT-4-32k via REST APIs for enhanced AI capabilities.
* Increased user engagement by 25% and improved response accuracy by 30%, delivering contextually relevant answers to inquiries.
* Reduced response times by 10%, optimizing user satisfaction and streamlining help desk operations.
* Led the integration of OpenAI’s GPT-4, driving 45% better resolution rates for complex user queries through AI-powered automation.

# Associate Consultant Jul 2022 - June 2023

* Designed and deployed an advanced Ransomware Scoring Framework using Python, Pandas, and Scikit-Learn, powered by Random Forest classifiers for precise detection of ransomware attacks.
* Fine-tuned tree and seed parameters, boosting ransomware detection accuracy by 40% and reducing false positives.
* Improved cybersecurity by applying machine learning, reducing ransomware risk by 35% through early detection.
* Built Power BI dashboards for real-time security monitoring, reducing incident response times by 15%.

# Assurance Associate Jul 2021 - June 2022

* Architected a full end-to-end workflow using C# and ASP.NET, building dynamic questionnaire interfaces for over 2400 active users.
* Integrated with 100+ third-party vendors using a highly optimized MySQL backend, improving operational efficiency and reducing vendor onboarding time by 20%.
* Improved security and cloud resource utilization by implementing Azure SAS tokens for secure external access.
* Orchestrated seamless user interactions, boosting user satisfaction and engagement through a streamlined, responsive interface.

# PROJECTS

**SnakeIQ |** Pygame, PyTorch’s Deep Q-Learning **| June 2023**

* Constructed a Snake-game AI using Pygame and PyTorch’s Deep Q-Learning, implementing the Bellman equation for loss optimization and reinforcement learning.
* Achieved consistent performance with an average score of 32, highlighting the AI’s effectiveness in adapting to dynamic environments.
* Enhanced algorithm efficiency by 5%, improving decision-making and optimizing gameplay through advanced reinforcement learning techniques.

**Shop Fusion |** NextJS, Firebase, Stripe, APIs **| May 2021**

* Developed a full-stack SaaS platform providing access to AI tools for image, video, code, and music generation using OpenAI and ReplicateAI models via APIs.
* Integrated Stripe subscription system for seamless billing, enhancing payment processing and user experience.
* Implemented user authentication and management using Clerk, ensuring secure access and efficient user management for the platform.

**RezAI |** NextJS, Prisma, MySQL, Clerk, Stripe, APIs **| May 2021**

* Engineered a full-stack e-commerce platform with Next.js and React, leveraging server-side rendering, static site generation, and API routing to enhance performance and scalability.
* Embedded user authentication and authorization with Firebase Authentication, ensuring secure and seamless user access.
* Designed database schema with Firebase Database and integrated Stripe for secure and reliable payment processing.