

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 <i>Master of Science in Computer Science</i>	Expected Aug 2026
Dwarkadas J. Sanghvi College of Engineering, Mumbai, India, GPA: 8.84/10 <i>Bachelor of Engineering in Computer Engineering</i>	Jun 2017 - Jul 2021

SKILLS

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, Frontend, Open source, Data science, Statistics

PROFESSIONAL EXPERIENCE

EY Mumbai, Maharashtra, India	Jul 2023 – May 2024
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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
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- 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.

CO-CURRICULAR ACTIVITIES

- EY AI** - Participated in the EY AI event, gaining insights into how AI can accelerate client deliverables and enhance the efficiency of resolving client challenges.

Apr 2023
- Project Grader** – As an alumnus of DJ Sanghvi College of Engineering, I was invited as an external faculty member to evaluate final-year projects during the Spring 2022 semester.

March 2022