

Mili Parikh

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Computer Science MSc candidate at Northeastern University, with 2+ years of professional experience in Software Development, DevOps, and Software Testing. Proficient in Java, C#, .NET, Python, with expertise in program designing and algorithms. Actively seeking a full-time position to leverage my technical skills, adaptability, and passion for learning in impactful software design and development projects.

EDUCATION

Northeastern University, Boston, MA, USA Jan 2022 – May 2024
Master of Science in Computer Science GPA 3.90
Relevant coursework: Program Design Paradigms, Building Scalable Distributed Systems, Algorithms, Database Management Systems, Foundations of Software Engineering, Fundamentals of Cloud Computing, Web Development.
Teaching Assistant: Natural Language Processing (CS 4120 – Fall 2022), Algorithms (CS 5800 – Fall 2023 & Spring 2024).

Pandit Deendayal Energy University, Gujarat, India Jul 2017 – May 2021
Bachelor of Technology in Information and Communication Technology CGPA 9.21
Relevant coursework: Design & Analysis of Algorithms, Data Structures, Software Engineering, Operating Systems, Object Oriented Programming, Computer Networks, Artificial Intelligence, Machine Learning, Natural Language Processing.

TECHNICAL SKILLS

Programming: Java, C#, Python, HTML/CSS, JavaScript, React, D Language, SQL, NoSQL
Technologies: Microsoft Azure, AWS (EC2, S3, EBS), CI/CD, Gherkin, Node.js, jQuery, REST APIs, AJAX, Bootstrap
Tools: Git/GitHub, Azure DevOps, Jira, MySQL, Microsoft SQL Server, SSMS, MongoDB, Postman, Terraform, Nutanix, Docker
Frameworks: ASP.NET, MVC, SpecFlow, Entity Framework, WebAPIs

WORK EXPERIENCE

Philips (Healthcare), Cambridge, MA Jan 2023 – Aug 2023
DevOps and Test Automation Engineer (Co-op)

- Revitalized existing Azure CI/CD pipeline with automated tests using C# and PowerShell to meet specifications of the latest release and ensured error-free deployment for Patient Information Center Software.
- Enhanced automation framework by integrating C# executable into an Azure pipeline, slashing 4+ hours of manual effort for pipeline system setup used in performance testing.
- Led the codebase transformation, transitioning from a 256-bed to a robust 512-bed integration system and resolved topology challenges, establishing a ~20% more efficient deployment pipeline.
- Proficiently integrated BDD scenarios with SpecFlow in C#, revised Gherkin-based step definitions for seamless mapping and interaction in the Medical Device Integration Platform (MDIP) default configuration set-up.
- Automated the provisioning and management of virtual machines on a Nutanix cluster using Terraform.

Envitics Solutions, Ahmedabad, India Jan 2021 – Oct 2021
Jr. Software Engineer (Co-op)

- Improved supplier registration, reducing onboarding time by ~45% with user-friendly platform and streamlined email verification.
- Engineered admin profile page on VMS platform for 15% faster data processing with seamless front-end/back-end integration.
- Innovated dynamic dashboard, boosting vendor info access by 25% with visual data, optimizing insights for informed decisions.

ACADEMIC PROJECTS

Kill Doctor Lucky Game – Java

- Designed turn-based RPG game, implementing OOP, MVC, and SOLID principles, deploying design patterns (command, façade).
- Built game model and characters, leveraging data structures like Lists, Maps, BSTs, and Iterators, to meet complex requirements.
- Performed test-driven development (TDD) with JUnit, ensuring module behavior; achieved optimal gameplay with a computer-controlled player, demonstrating automated decision-making.

Multi-Threaded Key-Value Storage System using RPC - Java

- Developed a distributed key-value store system (to securely store User IDs and Passwords) with multiple server instances, enabling clients to perform data alterations and queries through remote method invocation on server-bound objects.
- Leveraged Java's RMI for dynamically scaling server/client instances, achieving ~30% more flexible workload management.
- Implemented server-manager for data consistency, enhancing reliability and scalability, resulting in a ~25% performance boost.