

Abhijeet Mulik

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EDUCATION

Rochester Institute of Technology, New York

August 2021 – May 2024

Master of Science — Computer Science

Pune University, Pune

July 2013 – June 2017

Bachelor of Engineering — Information Technology

SKILLS

Programming Languages and Skills: Java, Python, HTML, Web Services, REST, SOAP, Javascript, C#.

Database and Cloud Technologies: MySQL, MongoDB, Cassandra, CouchDB, H2, AWS.

Tools and Framework: Spring, MyBatis, Hibernate, Agile, Jenkins, GIT, SVN, Maven, Postman, .NET Core, MATLAB, Bootstrap, jQuery, AJAX, RabbitMQ, FastAPI, React, EF Core.

WORK EXPERIENCE

Full Stack Developer

May 2023 – December 2023

Wilmac Technologies, Rochester

- Modernized a legacy ASP.NET application to **.NET 8** to enable **cloud deployment** and **cross-platform** compatibility.
- Replaced SQL Membership with **EF Core**, resulting in up to **30% faster query execution**, improved application speed and reduced resource usage.
- Designed and implemented **microservices** using **FASTAPI** in .NET 8 and corresponding frontend pages using **React**.

Academic Grader & Tutor

August 2022 – May 2023

Rochester Institute of Technology, New York

- Assisted a class of 50 students in comprehending Computer Graphics concepts, graded assignments, and provided constructive feedback.

Senior Technical Associate

August 2017 – July 2021

Sears Holdings India, Pune

- Single-handedly designed, developed, and maintained **Java, Spring back-end, front-end applications, micro-services, web services, cloud deployments, and CI/CD pipelines**, achieving **100% success**.
- Added a payment refund pipeline in credit authorization system, increasing service usage traffic by up to 15%.
- **Reduced production downtime by up to 75%** by updating legacy mainframe applications from COBOL to JAVA and deploying on AWS.
- As a **Senior Software Engineer** and part of **Level 4** team, researched and resolved critical production application failures with a **95% success rate** of resolving issues the same day.
- Successfully created automation scripts to migrate the application code base from **SVN to GIT** for more than 150 applications.

ACADEMIC PROJECTS

Human Credit Card - A Face Recognition Payment System , Rochester

January 2024 – Present

- This project involves designing and implementing a comprehensive face recognition payment system comprising modules for user enrollment, multi-factor authentication, payment management, and customer support.
- The system aims to enhance security, streamline payment transactions, and improve user experience through biometric authentication and user-friendly features.

Tools and Frameworks: FASTAPI, Python, HTML, CSS, Javascript, MySQL, OpenCV, AWS.

Enabling Transactions in CouchDB, Rochester

January 2022 – April 2022

- A high-performing transaction management process for a REST-based CouchDB was developed. This process utilizes a batching mechanism for CRUD commands, achieving a **97.48% improvement in execution time**.

Tools and Frameworks: Spring Boot, Java, REST, CouchDB.

ACHIEVEMENTS

- Honored with the 2018-2019 Supernova Team Award at Sears Holdings India, recognizing our team's exceptional performance and substantial contributions out of a pool of 200 employees during the annual team recognition event.
- Volunteered as a teacher for the Teach for India campaign, dedicating time and expertise to provide educational support to a class of 60 underprivileged students.