

# Abhijeet Mulik

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## EDUCATION

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### Rochester Institute of Technology, New York

Master of Science — Computer Science

Aug 2021 – May 2024

**GPA: 3.3**

### Pune University, Pune

Bachelor of Engineering — Information Technology

July 2013 – June 2017

**GPA: 3.3**

## SKILLS

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**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

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### Full Stack Developer

May 2023 – Dec 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

Aug 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

Aug 2017 – Jul 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

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### Enabling Transactions in CouchDB, Rochester

Jan 2022 – April 2022

- Engineered a high-performing transaction management process in a REST-based CouchDB by implementing a batching mechanism for CRUD commands, resulting in a **97.48% improvement in execution time**.

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

### Smart Home Control System using Augmented Reality, Pune

Jan 2016 – June 2017

- Smart Home Control System is an android application using augmented reality to control home electrical appliances through a mobile device. Control appliances by pointing a mobile camera towards electrical appliances through voice commands and a web interface with 99% accuracy.

Tools and Frameworks: HTML, CSS, Java, Python, Vuforia, Unity 3D, Google STT, IOT, Android Studio.

## ACHIEVEMENTS

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- 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.