Abhijeet Mulik

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EDUCATION

Rochester Institute of Technology, New York   Aug 2021 – May 2024
Master of Science — Computer Science   **GPA: 3.3**

Pune University, Pune   July 2013 – June 2017
Bachelor of Engineering — Information Technology   **GPA: 3.3**

SKILLS

Programming Languages and Skills: Java, Python, HTML, Web Services (REST), Javascript (Core), 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.

WORK EXPERIENCE

Full Stack Developer Co-op
                                                                  May 2023 – Dec 2023
Wilmac Technologies, Rochester

- Upgraded a legacy ASP.NET application to .NET Core 8 to enable cloud deployment and cross-platform compatibility.
- Replaced outdated SQL Membership with EF Core, resulting in up to **30% faster query execution**, improved application speed and reduced resource usage.
- Transformed old ASP.NET pages into Razor pages to enhance the user-friendliness of the application, resulting in increased user satisfaction and decreased support requests.

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.
- Researched and resolved critical production application failures as a part of Level 4 team 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

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

- 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.