

# Sapna Khatri

Binghamton, NY | (607)-235-8890 | [sapnafbkhatti@gmail.com](mailto:sapnafbkhatti@gmail.com) | [linkedin/sapna-khatri](https://www.linkedin.com/in/sapna-khatri) | [github/sapna-khatri](https://github.com/sapna-khatri)  
Seeking full-time opportunities in Software Engineering / Data Engineering starting May 2024

## EDUCATION

**Binghamton University, State University of New York**

*MS in Computer Science*

**Binghamton, NY**

*August 2022 - May 2024*

**Coursework:** Design & Analysis Comp Algorithm, Design Pattern, Database Systems, Programming Languages, Programming for the Web, Computer Security, Computer Organization and Architecture, Data Mining, Operating Systems

**Savitribai Phule Pune University**

*B.E. Computer Engineering*

**Pune, India**

*June 2016 - April 2020*

## TECHNICAL SKILLS & ABILITIES

**Languages / Software:** Java 8+ Python, PHP, PL/SQL, OOPS, Eclipse, IntelliJ, VS Code

**Web Development:** HTML5, CSS3, Bootstrap5, JavaScript, Angular, React, Node JS, XML, JSON

**Frameworks / Library/ Topics:** Spring boot, SOAP, REST, JDBC, Maven, Servlet, Spring JPA, Hibernate, Spring MVC, JUnit, Mockito, Multithreading, Concurrency, Orchestration, Microservices

**Cloud / Database / Networking:** MySQL, NoSQL, MS SQL, HTTP, Azure

**Tools:** Jenkins, Jira, Apache Tomcat, Postman, GitHub, Swagger

**Design Patterns:** Factory Method, Decorator, Iterator, Singleton, Observer, Facade, Strategy, Dependency Injection

## WORK EXPERIENCE

**The Research Foundation for SUNY | [PHP, MySQL, JavaScript]**

*Partially Funded Research Project Assistant*

**Binghamton, NY**

*February 2023 - Present*

- Independently developed a **CRUD**-based Poster Session App using PHP, JavaScript, and MySQL, **automating processes** and saving ~**120** man-hours. Adopted by **800+** users, including faculty, students, and external participants, highlighting its broad appeal and effectiveness. [\[Project Link\]](#).

- Troubleshooting software bugs, and hardware issues and offering end users feasible solutions to problems.

- Performed updates on the website using **CMS** and configured, deployed, and supported **research initiatives**.

**Capgemini | [Java, Spring Boot, Spring JPA, REST, MS SQL, JavaScript, Angular]**

*Senior Software Engineer*

**Pune, India**

*November 2020 - June 2022*

- Led fintech application development for SCOR, France's largest reinsurance platform, driving 24% global revenue growth.

- Engaged in **service orchestration**, ensuring seamless communication and coordination between **microservices** and other system components.

- Optimized MS SQL Server database performance using indexes and views, resulting in **80%** faster processing.

- Implemented scalable **RTESTful API webservices** using **Java, Spring Boot**, and **AngularJS** for efficient component communication.

- Deployed and managed applications on **Microsoft Azure**, optimizing cloud resources for performance and cost-efficiency.

- Utilized **Jenkins** for deployment pipeline management and **Git** for effective version control.

- Streamlined team collaboration, efficiently handled code reviews, bug documentation, merge conflicts, and maintained multiple branches to ensure smooth feature rollouts.

- Verified and tested API endpoints through **Postman**, Swagger, and unit testing, ensuring their functionality and reliability.

- Recognized as "**Rising Star of the Month**" among cross-functional talented professionals.

**PiSyst India Pvt. Ltd. | [Python 3, MySQL, JavaScript]**

*Software Engineer, Intern*

**Pune, India**

*January 2020 - April 2020*

- Contributed insights to shape the product roadmap, aligning development efforts with market trends and client feedback.

- Created mock interfaces and implemented unit tests to validate the functionality of the database drivers. Took a **test-driven design** approach to ensure code quality and coverage.

- Designed and managed MySQL and MS SQL Server databases, optimized performance with complex SQL queries, performed administration tasks and implemented scalable schema designs.

## LEADERSHIP

- Proactively collaborated with cross-functional teams, including developers and testers, to identify and fix bugs on-call during production delivery, ensuring smooth operations and minimizing downtime.

- Mentored a group of up to 14 students in the Python Workshop, providing guidance and support in learning Python programming concepts and problem-solving techniques.

## CERTIFICATION & HONORS

**Microsoft Technology Associate, Google Data Analytics Professional Certificate (Ongoing), Barclays Tech Innovation Challenge**