# MRIDUL GUPTA

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Dear Hiring Manager,

I am writing to express my interest in the Software Engineering Intern position at Symbotic, as advertised. I am currently pursuing my Bachelor of Science in Computer Science with a completion date in Dec 2023 and concurrently Master of Science with an anticipated graduation in Dec 2024 at the Georgia Institute of Technology, holding a GPA of 3.9. Given my extensive educational background, hands-on experience, and passion for innovative solutions, I believe I would be a valuable asset to your dynamic team.

I have garnered experience in multiple programming languages and development tools, including but not limited to Java, C#, Python, C/C++, and Kotlin. During my internship at BerkOne, I played a pivotal role in expediting new hire requests by 65%, utilizing technologies like ASP .NET MVC, MS SQL Server, Bootstrap, and jQuery. Here, I also engineered high-performance Stored Procedures (SPs) and implemented dynamic features for multi-group selection across logins, enhancing resource tracking efficiency by 43%.

Leading an eight-person Agile team at Experimental Flights, I developed a full-stack application rendering real-time drone data, integrating various technologies such as Express.js, Node.js, and Firebase. This experience helped me hone my skills in designing scalable and reliable systems and managing simultaneous simulations efficiently.

I have contributed extensively to academia, serving as a Teaching Assistant at the College of Computing at Georgia Tech. I expanded the question bank by 20%, graded and critiqued numerous student code submissions, and provided mentorship in Database Systems, data structures, algorithms, and Object-Oriented Programming concepts in SQL and Java. My role as an Authentication Methods Researcher added another layer to my experience, allowing me to delve into password security and usability studies, involving extensive data analysis and user-study planning.

Given Symbotic's commitment to innovation and technology, I am excited about the prospect of contributing to designing and innovating products using cutting-edge technologies. My experience with various technical environments, including ASP.NET, Windows, Linux, NoSQL (Firebase), Docker, and real-time systems, aligns well with the responsibilities listed in the job description. My academic and professional experiences have endowed me with a solid understanding of global markets and finance, preparing me to take on real, impactful work right from the start.

Working at Symbotic excites me due to the next-generation workplace environment, fostering connections with passionate colleagues. My commitment to finding a balance between personal and professional responsibilities aligns well with Symbotic's flexible and dynamic working environment, and I look forward to contributing to the lively modern spirit of Morristown.

In conclusion, I am eager to bring my technical proficiency, innovative thinking, and passion for computer science to Symbotic. I am enthusiastic about the opportunity to work side by side with industry experts, taking on immediate responsibility, and contributing to the success of Symbotic.

Thank you for considering my application. I look forward to the opportunity to discuss further how I can contribute to Symbotic's ongoing success as a summer intern. Please feel free to contact me at 484-695-7228 or mgupta358@gatech.edu.

Sincerely,

Mridul Gupta
Bachelor of Science in Computer Science (BS/MS)
Georgia Institute of Technology

# Job Description

## Who we are:

With its A.I.-powered robotic technology platform, Symbotic is changing the way consumer goods move through the supply chain. Intelligent software orchestrates advanced robots in a high-density, end-to-end system – reinventing warehouse automation for increased efficiency, speed and flexibility.

## What we need:

We want to learn from you! Our teams at Symbotic value the early career talent that helps us solve critical issues in creative and innovative ways. That is why we offer Internship and Co-op programs where students have the opportunity to work alongside industry professionals on some of our most pivotal projects. We invite students from institutions across the country to apply online or engage with our teams on campus at career fairs and other events. Symbotic offers an extensive calendar of events including Lunch and Learns, Social Outings, and Volunteer opportunities for our Interns and Co-ops to engage in.

The Summer Intern session is a 12-week, full-time (40 hours Monday-Friday) program while the Co-op cohorts typically run 16-weeks in the Spring and Fall. In both programs, students are paid a competitive hourly rate. Continue reading to learn more about this exciting opportunity!

## What you'll do:

- Contribute to a distributed architecture built on .NET using multi-threaded and multi-processor concepts.
- Self-motivated, with an ability to learn quickly and independently, and work in a dynamic Agile/Scrum-based environment on cross functional and remote teams.
- Support the design and development of high-quality software using some of the following: C#, SQL, WCF, LINQ, ASP.NET, RabbitMQ, Redis, and Docker.
- Work in a fast-paced environment and support unscheduled events.

## What you'll need:

- Currently pursuing degree in Computer Science, Computer Engineering, or related field
- Object oriented design and programing concepts, C# or Java is preferred.
- Data platforms including relational databases (SQL Server) and non-relational databases.
- Source code version control, unit testing, design and defect tracking tools.
- UML, OOD, Agile, multi-threading, multiprocessing, & SW/HW integration.
- Excellent written and verbal communication skills.

## About Symbotic

Symbotic is an automation technology leader reimagining the supply chain with its end-to-end, AI-powered robotic and software platform. Symbotic reinvents the warehouse as a strategic asset for the world's largest retail, wholesale, and food & beverage companies. Applying next-gen technology, high-density storage and machine learning to solve today's complex distribution challenges, Symbotic enables companies to move goods with unmatched speed, agility, accuracy and efficiency. As the backbone of commerce the Symbotic platform transforms the flow of goods and the economics of supply chain for its customers. For more information, visit www.symbotic.com.

We are a community of innovators, collaborators and pioneers who embrace our differences, because we know unique perspectives make us stronger and smarter. Every perspective matters. We depend on the collective voices of our employees, customers and community to help guide us as we build a better place to work – for you and the world. That's why we're proud to be an equal opportunity employer.

We do not discriminate based on race, color, ethnicity, ancestry, religion, sex, national origin, sexual orientation, age, citizenship status, marital status, disability, gender identity, gender expression, veteran status, or genetic information.