

# VIDHI AGARWAL

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## SUMMARY

Committed job seeker looking for software engineering internship opportunities between May 01, 2024 and August 20, 2024 with a history of meeting company needs with consistent and organized practices. Skilled in working under pressure and adapting to new situations and challenges to best enhance the organizational brand.

## EDUCATION

**Masters of Science, Software Engineering**  
San Jose State University, San Jose, CA

Aug 2023 - May 2025

**Bachelor of Technology, Computer Science**  
Mody University of Science and Technology, Rajasthan, IN

Aug 2018 - May 2022

## PROFESSIONAL EXPERIENCE

**Member Of Technical Staff I**, VMware, Bangalore, IN

Jul 2022 - Jul 2023

- Committed code to 4 different microservices to meet various functional specifications.
- Designed and implemented a backend model and API endpoints for complex workflows using GraphQL.
- Achieved 90% increase in software reliability by means of JUnit Testing.
- Implemented performance optimizations to reduce latency and improve overall system response time.

**Software Developer Intern**, VMware, Bangalore, IN

Jan 2022 - Jul 2022

- Built REST APIs to query data from AWS Neptune using Gremlin query language.
- Improved API response time for complex graph traversals by achieving pagination.
- Administered closely with development team members to identify and remove software bugs.

## PROJECT EXPERIENCE

**VMware Aria Business Insights**, VMware

Jul 2022 - Jul 2023

- Managed the design and implementation of an entire functionality, it required creation of a set of APIs, integration with Redis Cache and Postgres Database.
- Created and maintained a java repository common to more than 3 microservices.
- Analyzed the datasets processed using Apache Spark to solve complex bugs related to incorrect data being received on Kafka topic.
- Engaged in integration of Kubernetes with the product and tested the integration by simulating multiple scenarios.

**IoT Based Smart Shopping Cart**, Mody University of Science and Technology

Sep 2021 - Dec 2021

- Designed and Created an Android Application using Android Studio and Google Firebase.
- Attained connection between Arduino, Bluetooth HC-06 and RFID tags to ensure signal is sent via bluetooth to app when RFID is scanned.
- Managed the entire project end-to-end and prepared the necessary documentation.

## SKILLS

C, C++, HTML, CSS, Javascript, Java, Kubernetes, GraphQL, SpringBoot, Redis, PostgresQL, AWS CloudWatch, JUnit Testing, Apache Kafka, Apache Spark, Object-Oriented Programming, Data Structures, Problem Solving, Project Management, Python

## LANGUAGES

Hindi(Native), English(Advanced)

## ACHIEVEMENTS

- Received At Our Best Recognition Award within the team at VMware for showcasing adaptability and quick learning capabilities.
- Recognized in NCG Bootcamp 2022 held by VMware for project showcasing how to provide time to value to customers for an existing VMware product.
- 100% Scholarship at Mody University of Science and Technology for maintaining 9.0 above CGPA.
- Certified in IT Academy: Cloud and Virtualization Concepts, issued by VMware.
- Certified in Getting Started with Python, Python Data Structures, issued by Coursera.
- Event Head of Computer Society of India, Lakshmangarh chapter- student branch during Aug, 2017-May, 2018.