

# Avinash

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## EDUCATION

### BACHELOR OF TECHNOLOGY

COMPUTER SCIENCE AND

ENGINEERING

June 2022

VIT Vellore, TN

CGPA: 9.19

## SKILLS

### LANGUAGES

Java , C#, Python, Golang,  
C++, HTML/CSS/JavaScript

### FRAMEWORKS

**Spring** - Spring Boot, Spring Web, Spring  
Data JPA, Spring Security

**.Net** - ASP.NET

**DB interaction** - JDBC template,  
Hibernate

**Testing** - JUnit, Mockito, Powermock,  
Karate, Tavern, Jmeter, Locust, Gatling,  
NUnit

### DATABASES

**SQL** - PostgreSQL, MySQL, Oracle

**NoSQL** - MongoDB, Firebase

**Cache** - Redis

### TECHNOLOGIES

**Messaging** - Apache Kafka

**Containerization** - Docker

**Orchestration** - Kubernetes

**Build** - Maven, Gradle

**CI/CD** - Jenkins, Github Actions

**Cloud** - Azure Cloud, GCP

**Misc** - Git, Bash (Linux Shell Scripting)

### SOFT SKILLS

Problem-solving, Agile/Scrum  
methodology, Communication,  
Collaboration , Analytical

## HONORS/AWARDS

**2022** Dell's Inspire Delight Award

**2018** Recipient of IAFBA Scholarship

**2017** Top 10 Zonal in IMO

## SOCIAL LINKS

**Github:** github.com/avinash-550

**Leetcode:** leetcode.com/avinash550

## OVERVIEW

Dynamic and highly skilled software engineer with 2+ years of experience at Dell Technologies, excelling in the design and implementation of robust REST based microservices written in Java and C#. Proven track record of delivering high-quality, scalable solutions in fast-paced environments.

## EXPERIENCE

### DELL TECHNOLOGIES | SOFTWARE ENGINEER I

Aug 2022 – Present | Bangalore

- Design and implement RESTful APIs using Spring boot and ASP.NET core to support back-end layer of Dell's public-facing applications.
- Engaged in the complete Software Development Life Cycle (SDLC), placing a strong emphasis on Agile (Scrum) methodologies.
- Designed and implemented an event-driven fault alert mechanism leveraging Apache Kafka, resulting in a remarkable 60x reduction in fault diagnosis time.
- Notably enhanced the reliability of a critical cronjob by implementing strategic rate and batch limiting mechanisms.
- Engineered a Python-based solution for generating voluminous test data, effectively eliminating dependencies on Post APIs for performance testing purposes.
- Collaborated in the development of a Kubernetes operator for deploying on-demand databases as per given custom resource definition (CRD).
- Initiated and led a weekly organizational tech discussion forum, fostering collaboration and knowledge-sharing on industry trends.

### DELL TECHNOLOGIES | UNDERGRADUATE INTERN

Jan 2022 – Jun 2022 | Virtual

- Explored and gained experience with REST APIs, Spring Framework, and Microservices Architecture.
- Designed and executed performance tests using JMeter and Gatling.
- Engineered a Docker image to seamlessly execute JMeter tests within a Kubernetes cluster , resulting in a 5x improvement in execution time.
- Authored Karate scripts to validate the functionality of newly implemented features in REST services.

### SPACELINKINDIA (NEWSBULB) | AI INTERN

Mar 2020 – Jun 2020 | Virtual

- Designed and implemented full stack news curator application from scratch, catering to editors' needs for selecting and summarizing news articles. Fully automated the summarization process and improved the editing time by 2x.

## PROJECTS

### PROMPT CATALOG SERVICE

Spring boot API to create, store and manage AI prompts.

- JWT authentication with register and login endpoints
- Ability to logically group prompts using topics.

### LATEST NEWS API

Flask-restful API to curate current news from RSS feeds

- Filter news based on given date range, sources, category and keywords.
- Unique developer key mechanism for data access.